

TOYOTA GR D2P ANALYTICS DASHBOARD

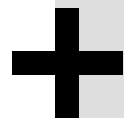
By

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AAKKASH K V

AOEC

GAP ANALYSIS 2025-2026



DRIVE TO PERFORM (D2P)
ACCENTUATOR)

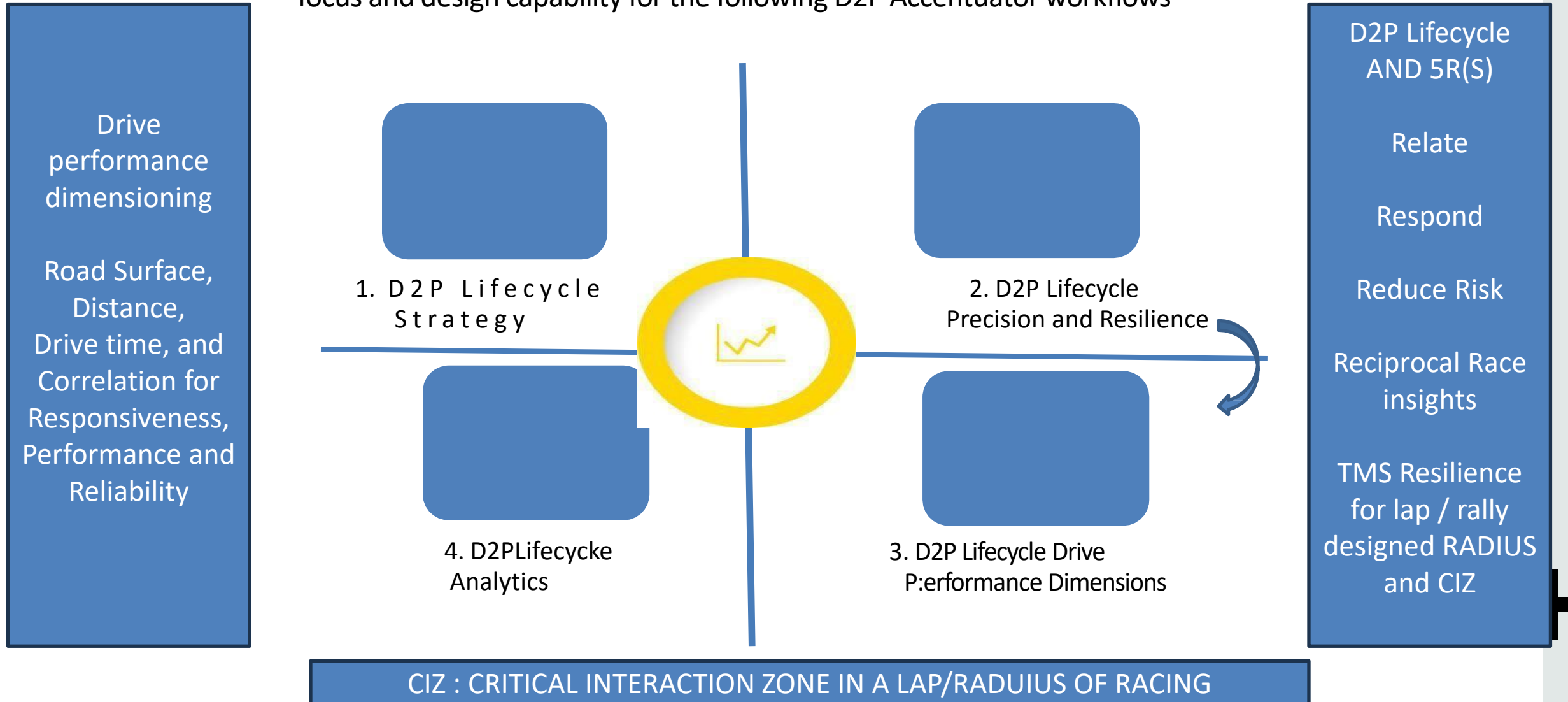
RACE ENGINEERING NETWORK
(REN) SPECIFIC VEHICLES with
different responsiveness for Drive
Performance Dimensions (DPD)



DRIVE TO PERFORM REALITY (D2R)

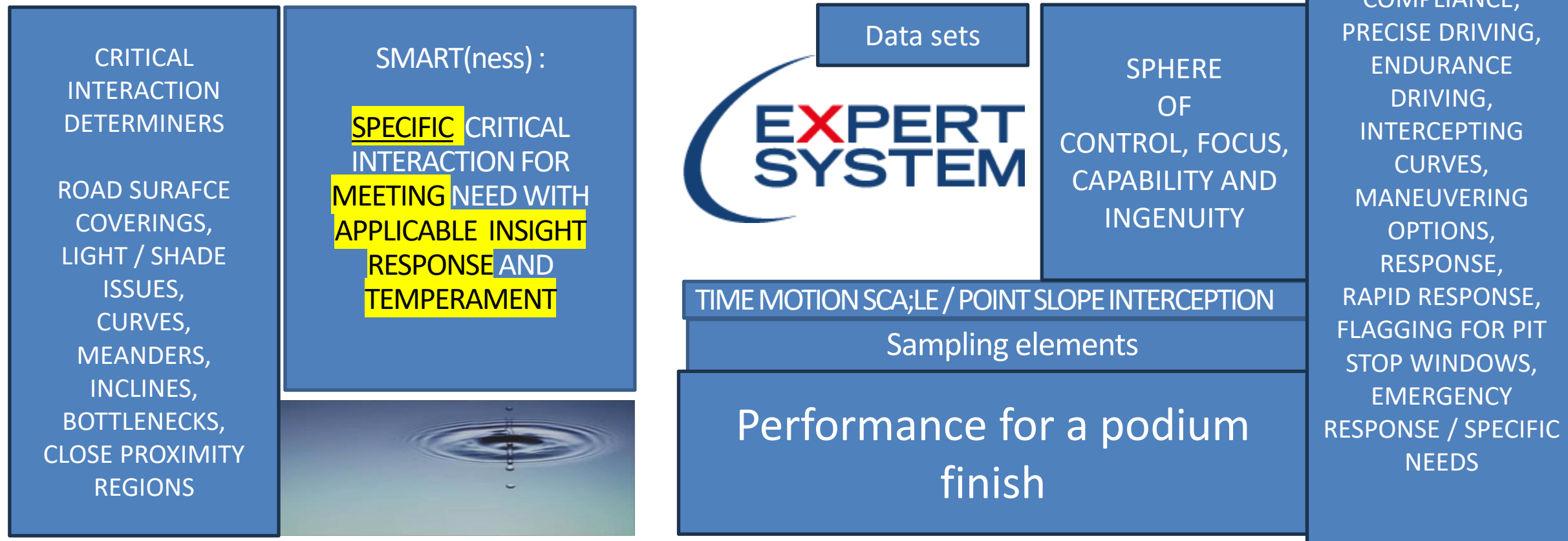
Performance for a podium finish

- AOEC finds that for podium finish, the manufacturer, driver & co-driver team, race engineering team, drive performance dimensions D2P team need to fine focus and design capability for the following D2P Accentuator workflows



Performance for a podium finish

- AOEC finds that instrumentally, the Data to Performance (D2P) Lifecycle must define a
- workflow for accentuating
- 1. The Rally/Race track Landscape
- 2. Pre-event forecasts of the KEY PERFORMANCE INDICATORS
- 3. Pit stop Work SMART(ness) as per the rally or race track
- 4. Driver and Co-driver team SMART(ness)
- 5. 5R(s) SMART(ness) for a podium finish



Performance for a podium finish

(SOLUTION HIGHLIGHTS)

- ✓ D2P DATA SET CREATION/ACCENTUATION
- ✓ D2P REN/REPI DESIGNS
- ✓ D2P QUESTIONNAIRE COMPILATION
- ✓ TABLEAU DASHBOARDING

Event name
Sonoma
3 Sectors



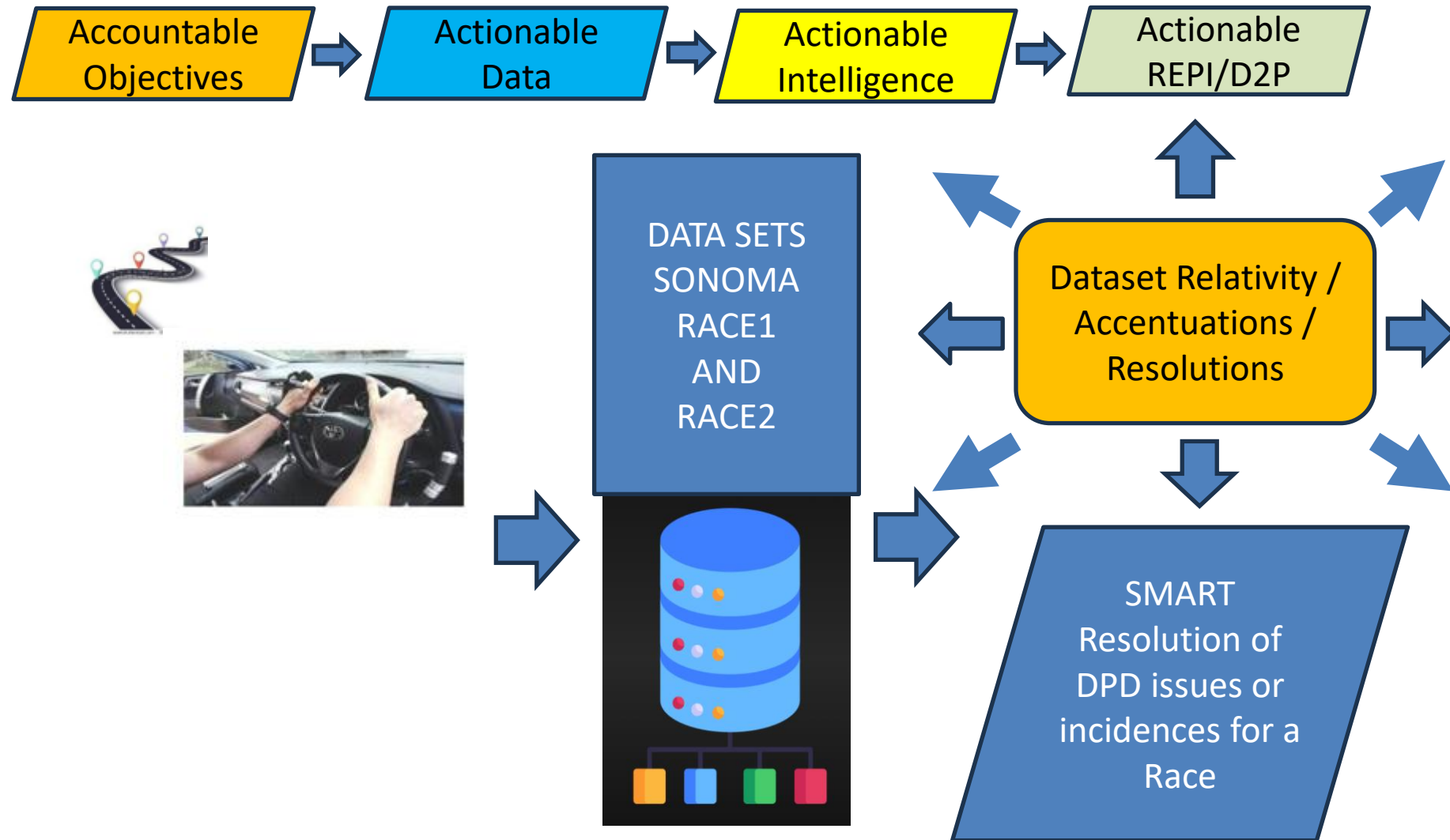
- 1. Enable D2P strategy for performance for the race category
- 2. Develop D2P channelization for D2P lifecycles, workflows and teamwork
- 3. Provide and utilize D2P sampling elements for planning/incorporation
- 3. Manage / Innovate on D2P guided methodologies for TMS for performance to podium finish
- TMS: TIME MOTION SCALE

D2P Lifecycle and
D2P Teamwork for the
D2P Workflows

D2P Data Analytics and
Drive Performance
SMART(ness)

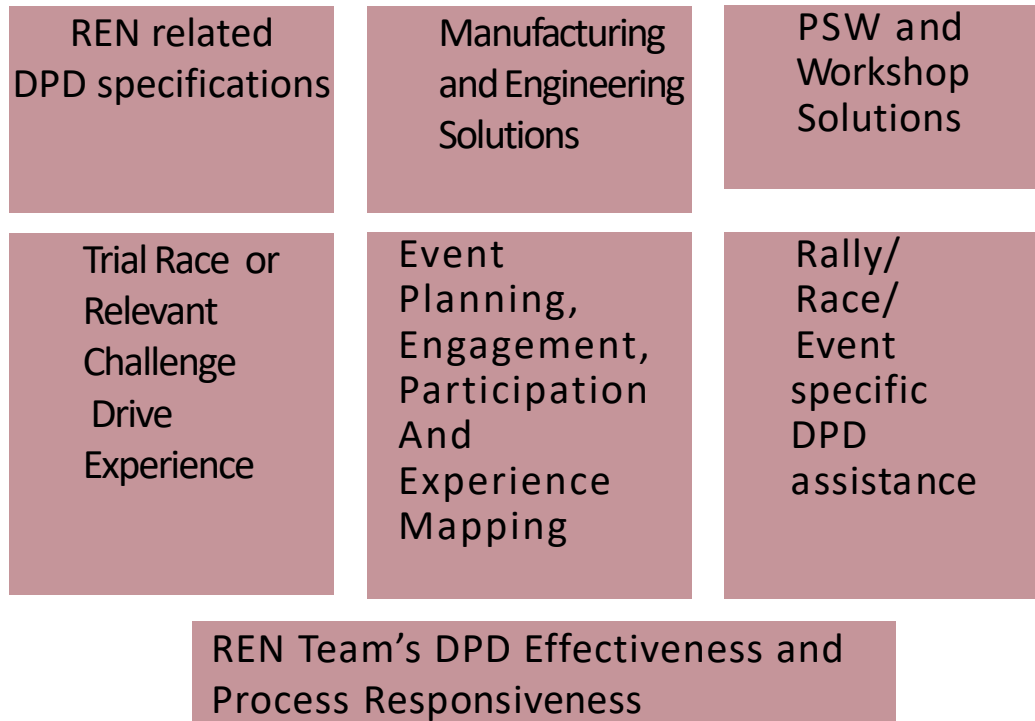
Accentuated
to improve
**The Extra
Mile**

D2P Dashboard and Report presentation for datasets



REGULAR REN VEHICLE VERSUS D2P-ENABLED REN VEHICLE

Regular REN Vehicle



D2P-enabled REN Vehicle

- D2P enabled DPD Strategic Planning
- D2P enabled REN/REPI teamwork
- D2P enabled Driver & Co-driver teamwork
- D2P enabled PSW/Workshop Assistance
- D2P enabled DPD Analysis teamwork
- D2P enabled Process/Data Analytics
- D2P STRIDE Codification and Responsiveness
- D2P Accentuator Quotient Report (D2PQR)

REGULAR REN Vehicle VERSUS D2P-ENABLED REN Vehicle

Brand/REN specific



Promo and
Revenue



Event Lifecycle and
responsiveness



Funds and Expense
management



REN / REPI
model



REN/REPI network



Sustainable
development and
growth

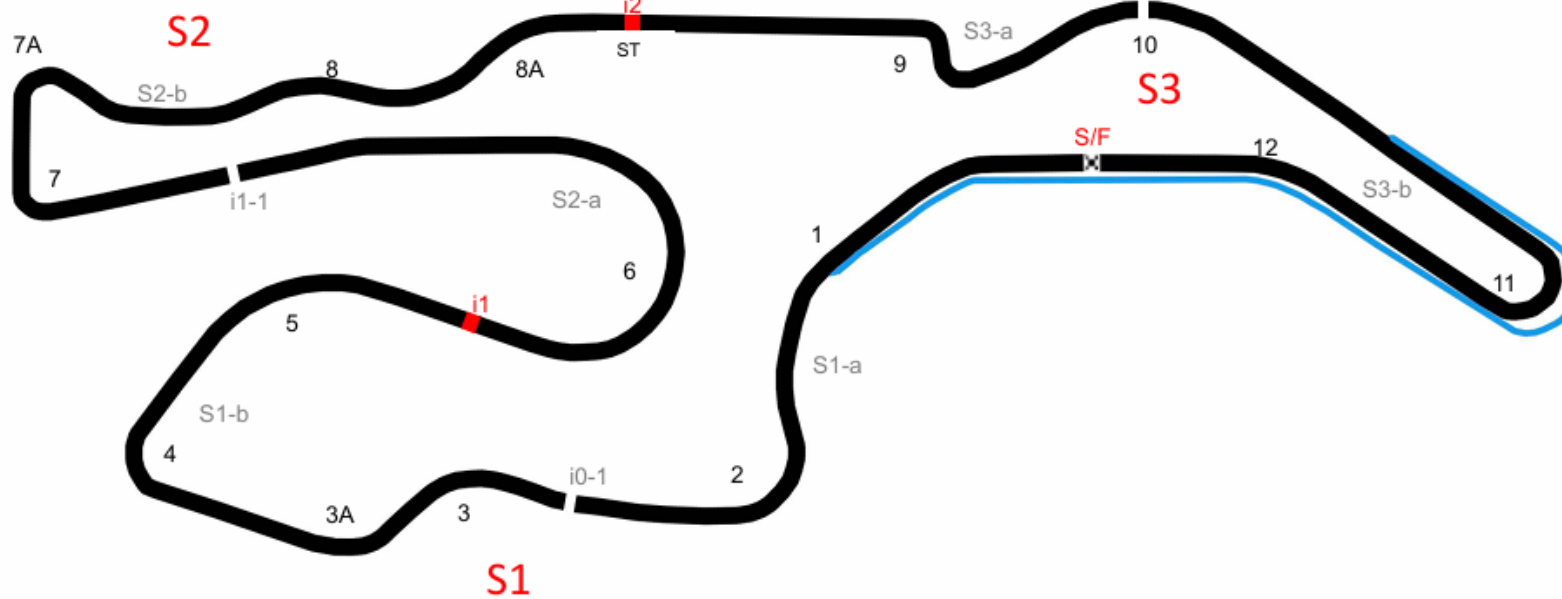


REN/REPI
Responsiveness

D2P Accentuator specific

- Key Opinion and KPI Leadership
- DPD/D2P Best of brand Rating
- D2P Accentuator Dashboard
- D2P Geo-coded Asset Plan
- D2P Geo-coded Contingency Plan
- D2P Geo-coded PESTLE assistance
- D2P Geo-coded STRIDE Codification and Responsiveness
- D2P Accentuator Geo-coded Reports





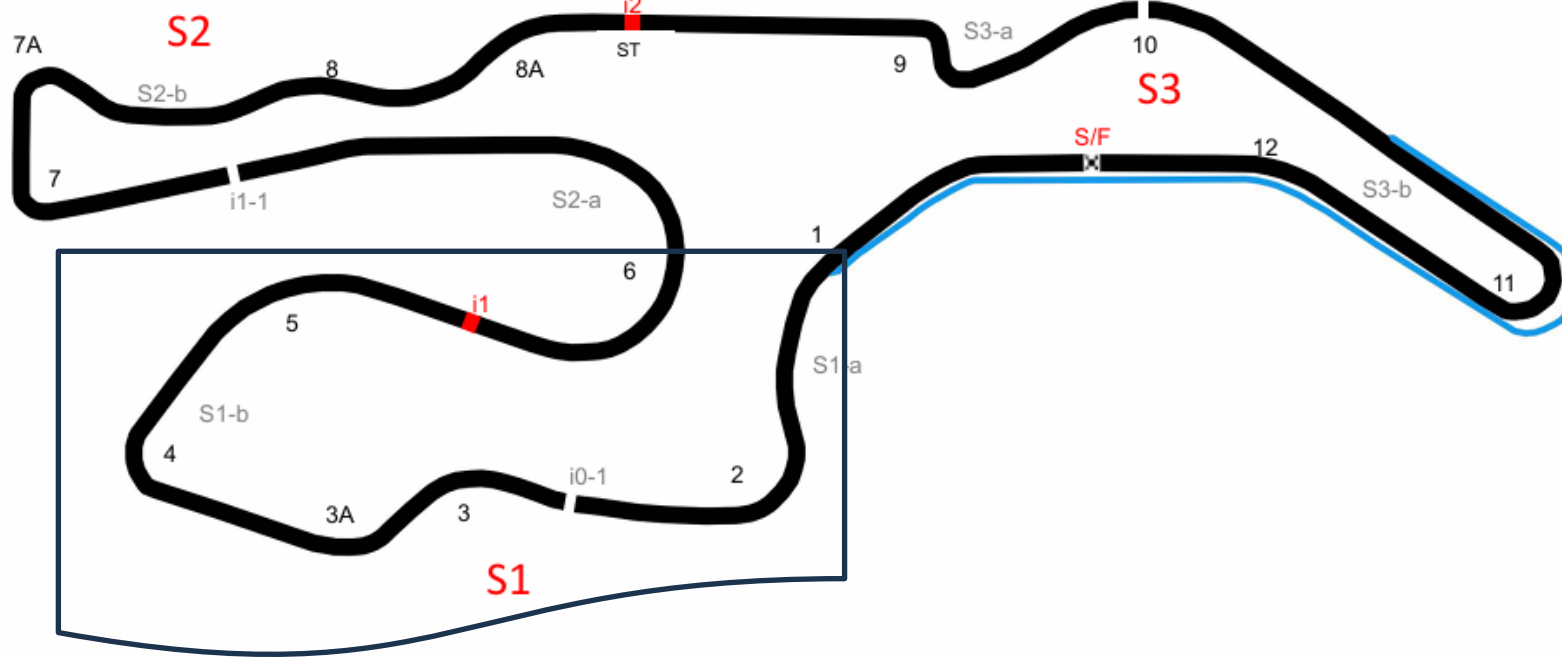
Circuit Configuration

Circuit Length	2.505 Miles
Elevation @ Finish Line	20' / 6.1m
GPS Latitude Finish & Timing Line	38.1615139° N
GPS Longitude Finish & Timing Line	-122.4547166° W
Time through pit lane @ 50 kph	45 seconds

	Inches	Meters
Circuit Center Line	158,716"	4,031.38m
Start Line Offset	na	na
Sector 1 (SF:i1)	54,520"	1,385m
Sector 2 (i1:i2)	55,976"	1,422m
Sector 3 (i2:SF)	48,220"	1,225m
Speed Trap (ST)	1,224"	31m
Pit in from SF	-20,442.9"	-519.25m
Pit Out from SFP	3,775.6"	95.9m
Pit In to Pit Out	24,564"	623.9m

DATA SETS
SONOMA
RACE1
AND
RACE2

SMART
Resolution of
DPD issues or
incidences for a
Race



Circuit Configuration

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DATA SETS
SONOMA
RACE1
AND
RACE2

SMART
Resolution of
DPD issues or
incidences for a
Race

SMART(ness) :
SPECIFIC CRITICAL INTERACTION FOR MEETING NEED WITH APPLICABLE INSIGHT
RESPONSE AND TEMPERAMENT

D2P OR D2R BI SYNOPSIS

BI enabled	Event name	Nature of b..	D2R Sensiti..	BI-enabled USP	
				No	Yes
Yes	Sonoma	R1	Yes		Yes
		R2	Yes	No	

✓ Keep Only ⌕ Exclude ⌕

BI enabled: Yes

BI-enabled USP: Yes

D2R Sensitivity: Yes

Event name: Sonoma

Nature of business: Race 1 / Race 2

Accentuated Yes

BI enabled: Yes

DPD/D2P Generation: Yes

DPD/REPI Generation: Yes

D2R Analytics: Yes

Sector1 Yes

Sector2 Yes

Sector3 Yes



D2R Recipe For Sonoma - Race1- 3 Sectors

D2P	ID (D2R recipe)	D2R Brand viewpoint	D2R Choice of SPEC	D2R need for a Variant	D2R need for comparison
	9108001	Trial run	Yes	Yes	Yes
	9108002	Event run	Yes	Yes	Yes

D2R Recipe with REPI For Sonoma - Race2- 3 Sectors

D2P	ID (D2R recipe)	D2R Brand viewpoint	D2R Choice of SPEC	D2R need for a Variant	D2R need for comparison
	9108001	Trial run	Yes	Yes	Yes
	9108002	Event run	Yes	Yes	Yes

D2R Brand viewpoint: Yes
 D2R Choice of SPEC: Yes
 D2R Interest in Model: Yes
 D2R need for a Variant: Yes
 D2R need for comparison: Yes
 D2P ID (D2R recipe): 9108001
 D2R Vehicle Sheet: Yes
 DVQ report: Yes
 USP of D2P Recipe with REPI: Yes

D2R VEHICLE SHEET (MAIN)

D2R Recipe For Sonoma - Race1- 3 Sectors

D2P	ID (D2R Vehicle Sheet)				D2R Surveys
		D2R Exteriors	D2R Interiors	D2R Engine and Performance	Yes
	9108001	Trial run	Yes	Yes	Yes
	9108002	Event run	No	Yes	Yes



D2R VEHICLE SHEET (MAIN)

D2R Recipe For Sonoma – Race2- 3 Sectors

D2P	er ID (D2R Vehicle Sheet)				D2R Surveys
		D2R Exteriors	D2R Interiors	D2R Engine and Performance	Yes
	910800	Trial run	Yes	Yes	Yes
	910800	Event run	No	Yes	Yes

D2R Engine and Performance: Yes

D2R Exteriors: Yes

D2R Interiors: Yes

D2R Surveys: Yes

D2P ID (D2R Vehicle Sheet): 9108001

Dvqr: Yes

D2R Safety: Yes



D2R VEHICLE SHEET (SAFETY AND COMFORT)

D2R Recipe For Sonoma - Race1- 3 Sectors

D2P	ID (D2R Vehicle Sheet)	D2R Safety	D2R Comfort and C..	D2R Seats and Upholstery	D2R Interiors
					Yes
	9108001	Trial run	Yes	Yes	Yes
	9108002	Event run	Yes	Yes	Yes



D2R VEHICLE SHEET (SAFETY AND COMFORT)

D2R Recipe For Sonoma – Race2- 3 Sectors

D2P	ID (D2R Vehicle Sheet)	D2R Safety	D2R Comfort and C..	D2R Seats and Upholstery	D2R Interiors
					Yes
	9108001	Trial run	Yes	Yes	Yes
	9108002	Event run	Yes	Yes	Yes

D2R Comfort and Convenience: Yes
D2R Interiors: Yes
D2R Other Features: Yes
D2R Safety: Yes
D2R Seats and Upholstery: Yes

D2P	ID (D2R Vehicle Sheet):	9108001
D2R	Dashboard	Yes



D2R VEHICLE SHEET (AUGMENTED)

D2R Recipe For Sonoma - Race1- 3 Sectors

D2P	ID (D2R Vehicle Sheet)	D2R USP Questionnaire	D2R Parameter learning	Codified parameters	Dvqr
9108001	Trial run	Yes	No	No	Yes
9108002	Event run	Yes	No	No	Yes



D2R VEHICLE SHEET (AUGMENTED)

D2R Recipe For Sonoma – Race2- 3 Sectors

D2P	ID (D2R Vehicle Sheet)	D2R USP Questionnaire	D2R Parameter learning	Codified parameters	Dvqr
9108001	Trial run	Yes	No	No	Yes
9108002	Event run	Yes	No	No	Yes

D2P

ID (D2R Vehicle Sheet): 9108001

Dvqr:

Accentuated

DPD/D2P

Generation:

Yes

DPD/REPI

Generation:

Yes

Sector1

Sector2

Sector3

Codified parameters:

No

D2R Parameter learning:

No

D2R USP Questionnaire:

Yes

Sector1

Yes

Sector2

Yes

Sector3

Yes



USP

D2P Recipe with REPI

D2R Recipe For Sonoma - Race1- 3 Sectors

D2P ID (U..	Challenging sector	Sector1	Sector2	Sector3
Event run	Yes	Yes	Yes	Yes
Trial run	No	No	No	Yes

USP

D2P Recipe with REPI

D2R Recipe For Sonoma – Race2- 3 Sectors

D2P ID (U..	Challenging sector	Sector1	Sector2	Sector3
Event run	Yes	Yes	Yes	Yes
Trial run	No	No	No	Yes

D2P ID (USP #	Recipe + REPI	9108001
D2P Recipe with REPI edition		Yes
Sector3		Yes
Sector2		Yes
Sector1		Yes
Trial run		Yes
D2R Brand viewpoint:		Yes
D2R need for a Variant:		Yes
D2R need for comparison:		Yes
D2R need for	DPD Effectiveness	Yes
D2R need for recommendation:		Yes

DPD/D2P and DPD/REPI

HEALTH

D2R Recipe For Sonoma - Race1- 3 Sectors

D2P	ID (business goals)	Key Opinion Leadership	REN	Choice Rating	Contingency Plan	PESTLE implications
9108001	Trial run	Yes	Yes		Yes	Yes
9108002	Event run	Yes	Yes		Yes	Yes

DPD/D2P and DPD/REPI

HEALTH

D2R Recipe For Sonoma – Race2- 3 Sectors

D2P	ID (business goals)	Key Opinion Leadership	REN	Choice Rating	Contingency Plan	PESTLE implications
9108001	Trial run	Yes	Yes		Yes	Yes
9108002	Event run	Yes	Yes		Yes	Yes

Contingency Plan: Yes
Dealer Choice Rating: Yes
D2P ID (business goals): 9108001
Key Opinion Leadership: Yes
PESTLE implications: Yes
Asset Plan: Yes
Liquidity and Income needs: Yes
Public Welfare / CSR: Yes
Return of Investment Requirements: Yes

DPD/D2P and DPD/REPI Overview

D2R Recipe For Sonoma - Race1- 3 Sectors

D2P	ID	Event name	D2R Analytics	BI enabled
	9108001	Trial run	Yes	Yes
	9108002	Event run	No	No

DPD/D2P and DPD/REPI Overview

D2R Recipe For Sonoma – Race2- 3 Sectors

Highlight BI enabled

Highlight BI enabled

D2P	ID	Dealer Name	D2R Analytics	BI enabled
	9108001	Trial run	Yes	Yes
	9108002	Event run	No	No

BI enabled: Yes

D2R Analytics: Yes

D2P ID: 9108001

Event name: Sonoma

Address: Mapped locations

Business Goals Details: Yes

Business Projection Details: Yes

Digital Assets Details: No

Nature of business: R1 and R2

Physical Assets Details: Yes

Website: Yes

D2P Accentuator



Performance for a podium finish

D2P OR DRIVE TO REALITY (D2R) CONFIGURATION

Dreams to Reality Recipe

D2P	ID (D2R recipe)	D2R Brand viewpoint	D2R Choice of SPEC	D2R need for a Variant	D2R need for comparison
9108001	Trial run	Yes	Yes	Yes	Yes
9108002	Event run	Yes	Yes	Yes	Yes

D2R VEHICLE SHEET (MAIN)

D2P	ID (D2R Vehicle Sheet)	D2R Exteriors	D2R Interiors	D2R Engine and Performance	D2R Surveys
9108001	Trial run	Yes	Yes	Yes	Yes
9108002	Event run	No	Yes	Yes	Yes

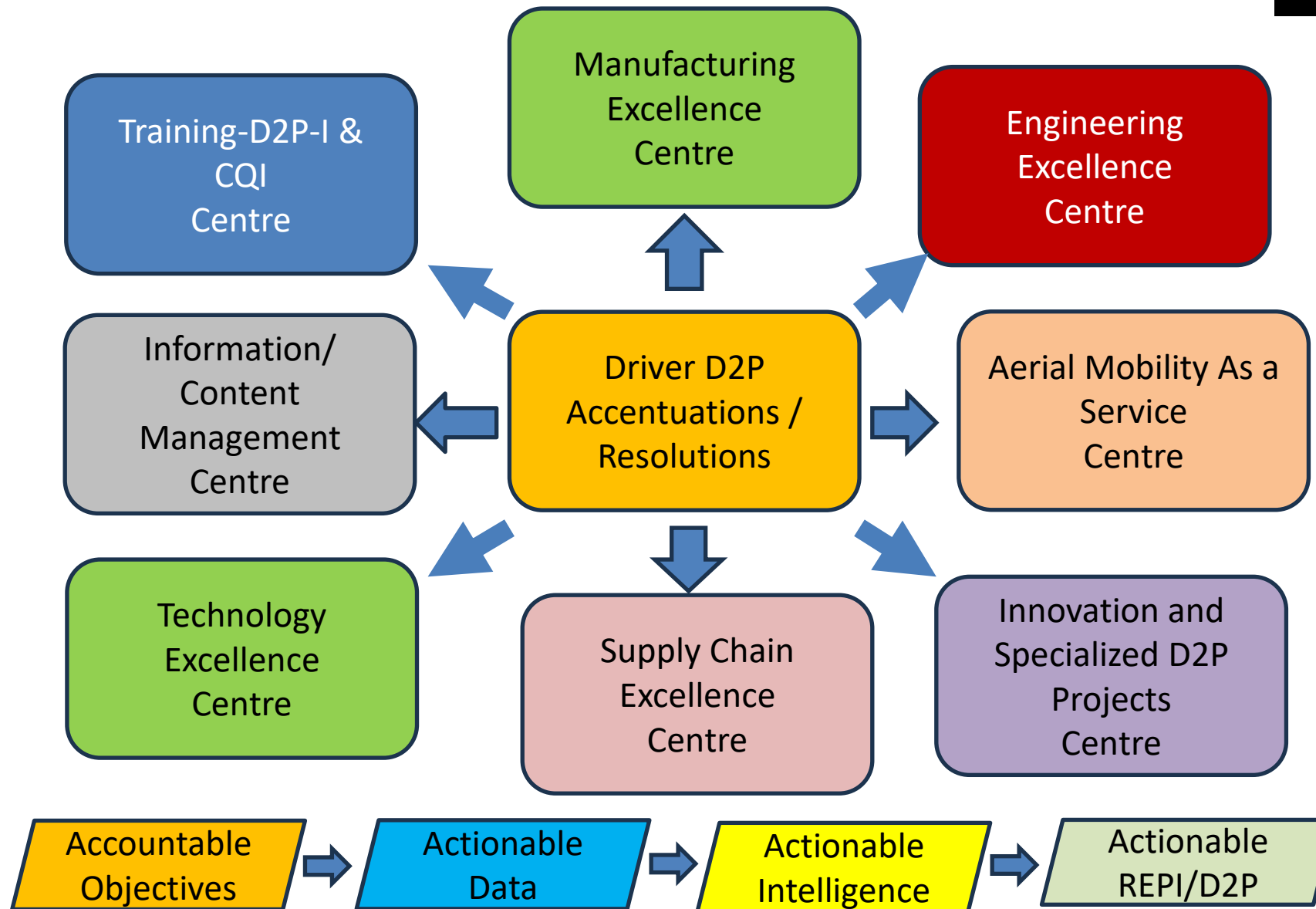
D2R VEHICLE SHEET (SAFETY AND COMFORT)

D2P	ID (D2R Safety)	D2R Comfort and Convenience	D2R Seats and Upholstery	D2R Interiors
9108001	Yes	Yes	Yes	Yes
9108002	Yes	Yes	Yes	Yes

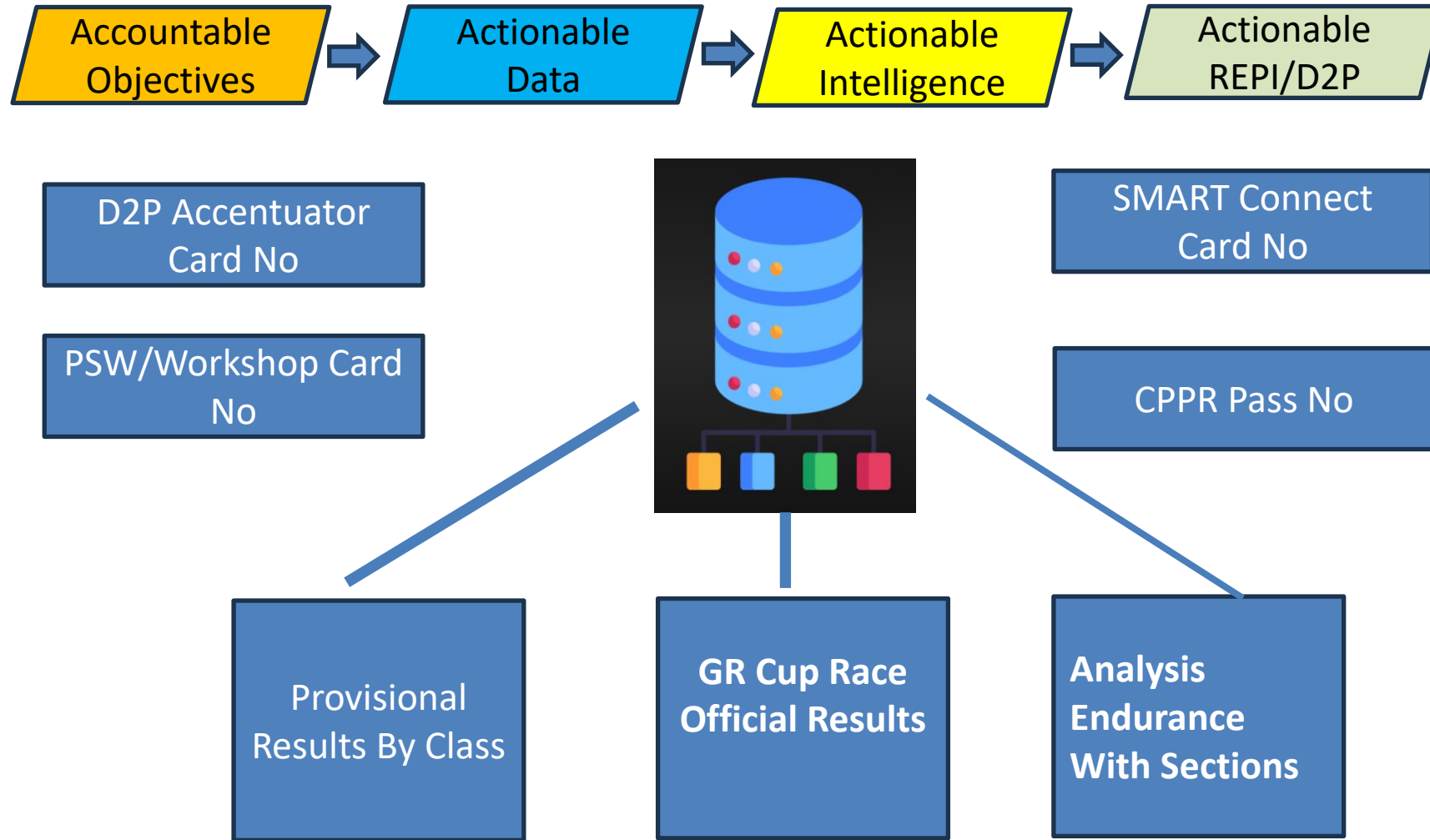
D2R VEHICLE SHEET (AUGMENTED)

D2P	ID (D2R USP Questionnaire)	D2R Parameter learning	Codified parameters	Dvqr
9108001	Yes	No	No	Yes
9108002	Yes	No	No	Yes

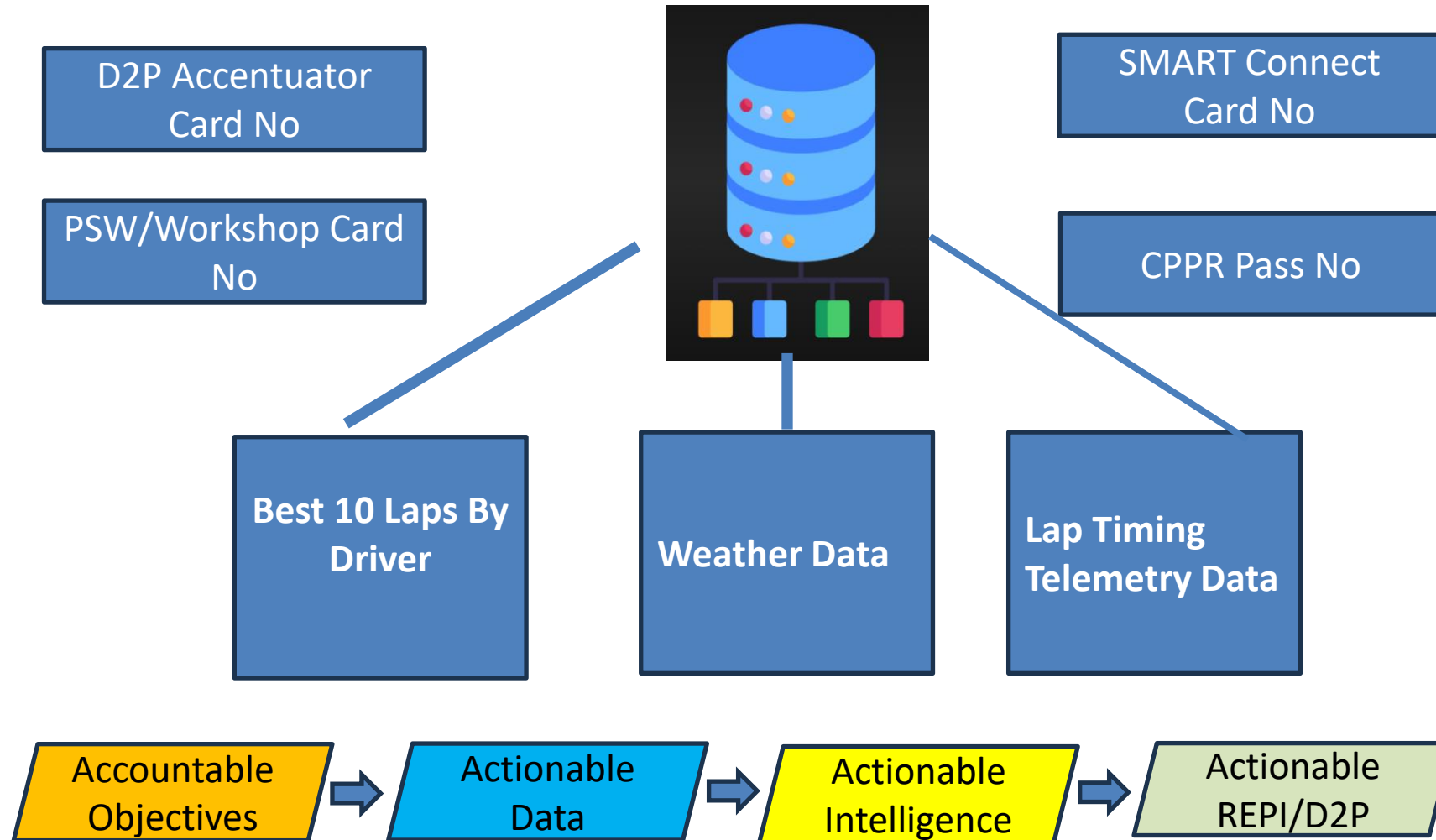
Compass model for Driver-QoS



Dataset Relativity / Accentuation



Dataset Relativity / Resolution



D2P SOLUTION TEXT DETAILS

Preview website for D2P ACCENTUATOR Analytics, Design and Modeling endeavors and the D2P PROJECT CENTRE summary

Relate to the Analytics, Design and Modeling CASE reviews of the Race selected and Datasets

Assess the Call to attention D2P Dashboard Highlights for the given datasets

Envision D2P performance improvement via our D2P Analytics and illustration



D2P SOLUTION TEXT DETAILS

Read our D2P DEEP INTERACTION reports

Cross check our Rally or Race Safety guidelines

Gear ahead for the next mission



D2P SOLUTION TEXT DETAILS



Guidelines for THE NEXT MISSION

A NEXT RANK D2P ACCENTUATION should translate the raw lap/telemetry data into concrete, actionable answers about performance, consistency, and strategy.

Core performance influencers

Quantify where lap time comes from: identify which corners or sectors gain/lose the most time, and how speed, braking, and throttle traces differ between fast and slow laps.

Measure driver consistency: evaluate lap-to-lap variance in lap times and sector times, and detect outlier laps with mistakes or traffic.

Benchmark against a reference: compare each driver or session to a “best lap” or reference driver using metrics like delta-t over distance, theoretical best lap, and average pace.



D2P SOLUTION TEXT DETAILS



Vehicle and setup influencers

Understand car behavior: relate telemetry such as speed, RPM, throttle, brake, steering, and tyre data to oversteer/understeer, traction issues, or straight-line deficits.

Evaluate setup or tyre choices: link changes in setup, compound, or fuel load to changes in lap time, cornering speeds, and degradation over stints.

Monitor reliability and health: use temperature, pressures, and sensor flags to spot emerging mechanical problems or unsafe conditions.



D2P SOLUTION TEXT DETAILS

Strategy and high-level insights

Optimize race strategy: analyze stint lengths, tyre degradation curves, pit timing, and fuel usage to infer or test better race strategies.

Classify performance levels: cluster laps or drivers into “fast” vs “slow” groups and identify the telemetry patterns that separate them.

Answer big-picture questions: trends over seasons, tracks, or drivers (e.g., how pace evolves, which tracks suit which cars/drivers, or what correlates most with race results)

D2P SOLUTION TEXT DETAILS




The deployment of a Project Centre could help end to end, or rally to rally, or race to race management of the investment of time, resources, funds and team effort for projects.

The Project Centre could help professionals teaming up, understand the need for drive performance or race experience specific data, configuration data, logs, infrastructure, systems, processes, resources and auditable SMARTER experience.

SMART stands for Specific, Measurable, Achievable, Realistic and Time or Trends oriented planning, implementation and management.

The Project Centre could help add critical path management or critical path probability resolution, that is important for endeavours where a new “sense of perspective or problem resolution” needs a well-developed D2P lifecycle and the management of workflow or drive experience indicators that develop unified acceptance at the racing & commercial vehicle level.



D2P SOLUTION TEXT DETAILS

The Project Centre could ensure that teams not only think about ideas in race engineering or problem solving but also acknowledge the need for Effective or SMART management of drive experience dimensions and related issues/requirements.

2. Why has this come up?

2.1. Teams may start teaming with background specific preferences or may be virtually teaming up with D2P brand independent considerations.

2.2. Teams may not have D2P Accentuator methods to record or refer to configuration data or logs to thereon accentuate scope, design or model their projects.

2.3. Teams may not have a return of investment model that can help them gain recognition, get funding or assistance.

D2P SOLUTION TEXT DETAILS




2.4. Teams may need impersonal project management or real world specific race engineering/performance management strategies

2.5. Teams may need to manage change in existing design, strategy, modelling or may even need to reengineer, where **fundamentals for change management** are important in the industry.

2.6. Teams may need to focus on sustainable factors such as Point Slope Interception systems that can be implemented in the project to help make project and D2P lifecycles safe, sustainable and futuristically acceptable.

Project Consultants have debated on the subject of Sustainable Project Management and use gap analysis for what can make projects sustainable and futuristically acceptable.



D2P SOLUTION TEXT DETAILS

Scope for teaming for: Designing, modeling, building or developing of D2P Accentuations (as expected in podium finishes)

4. A simple glimpse into how the Project Centre can make planning, detailing, investment and involvement more effective

For later competitions or any need to demonstrate and justify the project, the recommendation is to record data via formats that help generate trends and reports for qualifying rounds/ events, past, current and further involvement.

Form 1. D2P Accentuator Project Proforma

Form 2. Design, Modelling and/or Pit Stop Work Proforma

Form 3. D2P Accentuation to Manufacturing Site Proforma

Form 4. Kinematics Proforma

D2P SOLUTION TEXT DETAILS



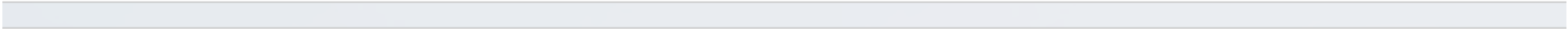
Form 5. Automotive Mechanics Proforma

Form 6. Auxiliary Equipment Proforma

Form 7. Accessories Proforma

Form 8. Energy (Battery/Fuel/Hybrid) Requirement Proforma

Form 9. Performance Tuning Proforma



Form 10. Safety Proforma

Form 11. Maintenance, Repair and Tuning “Activity & Tools”
Proforma

D2P SOLUTION TEXT DETAILS

Form 12. Driving Rules Proforma

Form 13. e-Functioning Test Proforma

Form 14. Test Site Proforma

Form 15. Crash Test Site Proforma

Form 16. Rally/Race Site and Tracks Proforma

Form 17. Failure Cause and Effect Analysis Proforma

Form 18. D2P Accounting Proforma

Form 19. Guidance Proforma

Form 20. Distributed Activity Proforma

D2P SOLUTION TEXT DETAILS

What is a Proforma?

A Proforma is a formatted form/assistant that helps record and manage a D2P review, project initiative or implementation.

Via the Proforma, the Project Centre can become a channel and central reference for decision-makers like investors, evangelists and other project teams.

D2P SOLUTION TEXT DETAILS



Subject: Drive to Performance Accentuation via a Project

Centre

Theme(s):

Wild card entry for Hack the Track, Dev Post 2025