

THE NSSR ROAD SAFETY/SUPPORT PROGRAMME



Road Safety / Support is a mainline National Safety and Social Responsibility

MONTHLY
BULLETIN

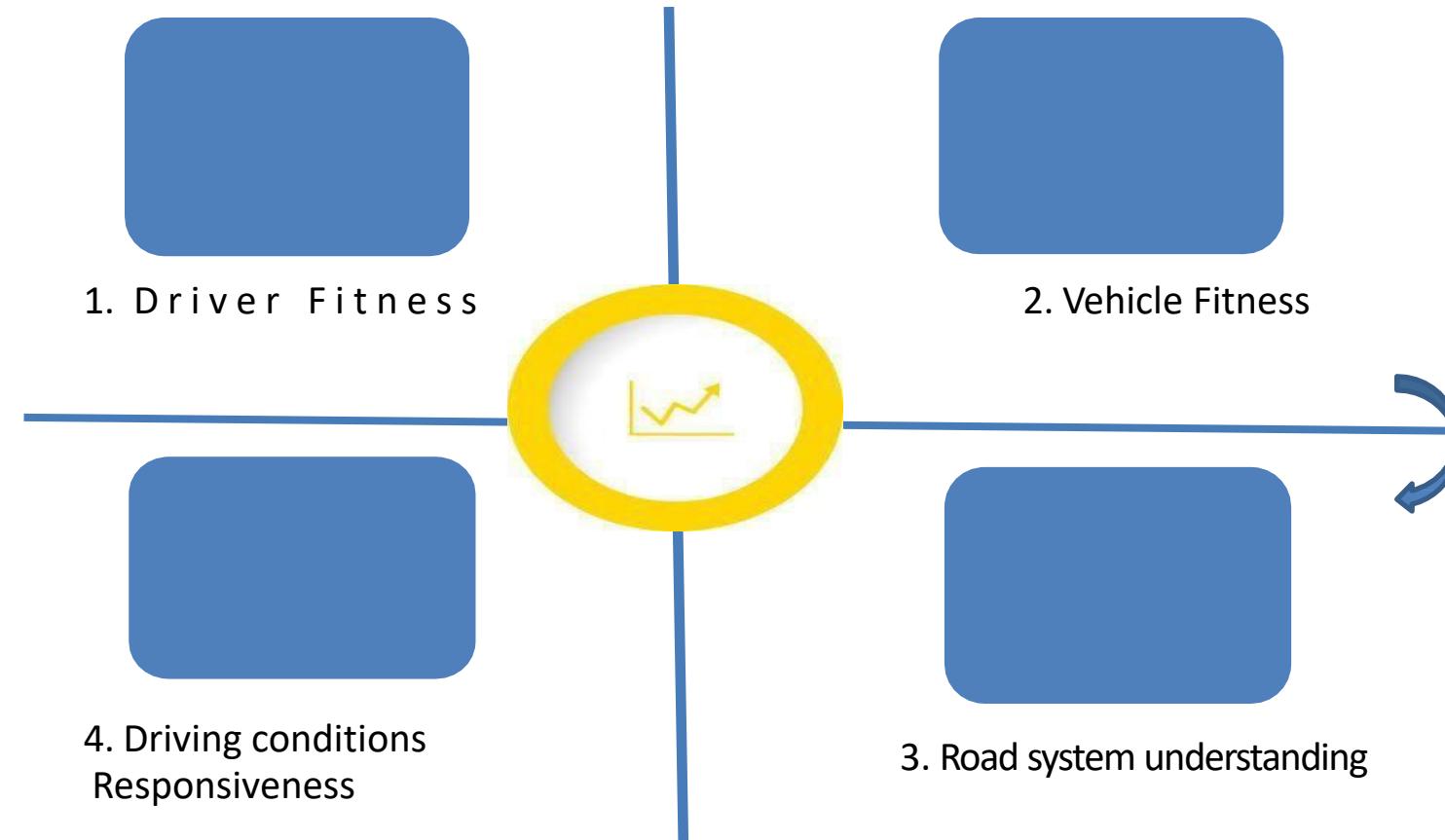
**DASHBOARDING ROAD SAFETY / SUPPORT
BY
VENKATRAM K S, AOEC 2026-2027**

March
2026

Dashboarding Road Safety/Support

- AOEC finds that safety while commuting on road, depends upon the automobile manufacturer's quality assurance, driver fitness, vehicle fitness, driving conditions dimensioning, and road system responsiveness, where driving conditions need us as commuters/road-system-infrastructure stakeholders to fine focus and design capability for improved road safety.

Driving conditions dimensioning
JOURNEY/TRIP
Route
Road Surface, Distance, Drive time, and Correlation for Responsiveness, Safety and Reliability



COMMUTING AND 5R(S)
Relate
Respond
Reduce Risk
Reciprocal Driving insights
TMS Resilience for route designed RADIUS and CIZ

CIZ : CRITICAL INTERACTION ZONE IN A JOURNEY/TRIP

Dashboarding Road Safety/Support

- AOEC finds that instrumentally, Dashboarding Road Safety / Support (DRSS) projects must
- define a TMS workflow for accentuating
- 1. Driver Fitness
- 2. Vehicle Fitness
- 3. Road system understanding
- 4. Alpha Assistance
- 5. 5R(s) SMART(ness) for a safer journey

CRITICAL
INTERACTION
DETERMINERS

ROAD SURFACE
COVERINGS,
LIGHT / SHADE
ISSUES,
CURVES,
MEANDERS,
INCLINES,
BOTTLENECKS,
CLOSE PROXIMITY
REGIONS

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



CRITICAL
INTERACTIONS

EXPECTED LICENSE,
PROBABLE
INCIDENCE/HAZARD/
RISK/RULE
COMPLIANCE,
PRECISE DRIVING,
ENDURANCE
DRIVING,
INTERCEPTING
CURVES,
MANEUVERING
OPTIONS,
RESPONSE,
RAPID RESPONSE,
UNDERSTANDING
SERVICE ANYWHERE
ANYHOW
ASSISTANCE,
EMERGENCY
RESPONSE / SPECIFIC
NEEDS

Dashboarding Road Safety/Support

- DRSS SMART(ness) for a journey/trip and virtual POINT SLOPE INTERCEPTION can make it simpler to identify the tangible correlation between driving conditions dimensioning of a route/road system/road with a DRSS Workflow to help and improve safer commuting
- This DRSS Workflow plus NSSR RS programme teamwork can
- Record-or-review,
- Relate,
- Reduce risk,
- Reciprocate response and
- Design Resilience for any journey/trip and its dimensions like the
- road surface,
- distance,
- drive time,
- commute reliably factors, where there is universal or brand specific service centre-assessable part-lifetime mitigation, condition monitoring, traceable fault tolerance/preventive and corrective action, where this DRSS Workflow development can help a NSSR participant define/use a NSSR RS index for a journey/trip/TMS radius, where the index can be simply (1), (2), (3), (4) or combinations of them

The DSSR project recommends the use of different assistants to help commuters improve their experience

Dashboarding Road Safety/Support

- **(1) NRRS-I1:** where this workflow will need to address History of interaction & Foreseeable needs and 5R(s)
- **(2) NRRS- I2:** = this workflow will need to address Critical Interaction Zone needs and 5R(s)
- **(3) NRRS- I3:** this workflow will need to address Road/Route dynamics and 5R(s)
- **(4 NRRS- I4:** this workflow will need to address Advanced safetyneeds and 5R(s)
 - (like air quality, unregulated climate intolerance, temperature/humidity, road system or road or terrain safety, with more than an expected driving style for commuting with safety, reliability & timing and with more than programmed gear changes, or braking or drive distribution between the front and rear wheels as expected in 4WD modes)
 - The bulletin looks at the different assistants that can help a commuter's 5R(s). The editions that follow will delve into details of each of them to help a commuter/stakeholder ramp up scores in a dashboard

Dashboarding Road Safety/Support

- The DRSS Data Analysis Channel Building for an **automobile manufacturer's quality assurance, driver fitness, vehicle fitness, driving conditions dimensioning, and road system responsiveness** for deteriorating or changing driving conditions dimensioning of the needed SMART(ness for safer commuting will need to
- **1. Improve Sensitization and Awareness for Road Safety**
- **2. Develop issue/feedback/data channelization for safer commuting**
- **3. Provide handbooks/guides/planners for such planning/ incorporation**
- **4. Promote quality for road safety and infrastructure via NSSR guided methodologies like the training programmes/monthly bulletins & quizzes/dashboarding of experience or incidences**

DRSS Lifecycle and
NSSR RS Teamwork for
the DRSS Workflows

DRSS Data Analytics
and
Drive Performance
SMART(ness)

Accentuated
to enable
The Extra
Mile

Road safety and Accountability Dashboard for the Year 2026

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
- Cost of Quality /Cost of Poor-Quality Project Assistance YES / NO / NOT SATISFACTORY
- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY

Year:



**STRATEGIC
PLANNING**



**TACTICAL
PLANNING**

**OPERATIONAL
PLANNING**

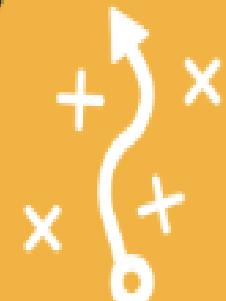


Road safety and Accountability Dashboard for the Year/Season 1

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
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STRATEGIC PLANNING



TACTICAL PLANNING



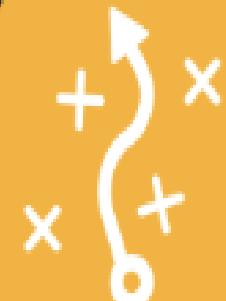
OPERATIONAL PLANNING

Road safety and Accountability Dashboard for the Year/Season 2

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
- Cost of Quality /Cost of Poor-Quality Project Assistance YES / NO / NOT SATISFACTORY
- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY



STRATEGIC PLANNING



TACTICAL PLANNING



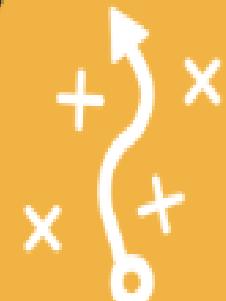
OPERATIONAL PLANNING

Road safety and Accountability Dashboard for the Year/Season 3

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
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- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY



STRATEGIC PLANNING



TACTICAL PLANNING



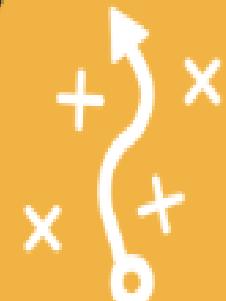
OPERATIONAL PLANNING

Road safety and Accountability Dashboard for the Year/Season 4

- Certificate of Excellence YES / NO / NOT SATISFACTORY
- Traffic issues or incidences YES / NO / NOT SATISFACTORY
- Compliance with FMVSS standards YES / NO / NOT SATISFACTORY
- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
- Upgradability of NSSR Road Infrastructure objectives YES / NO / NOT SATISFACTORY
- Traffic Engineering Assets planning YES / NO / NOT SATISFACTORY
- Traffic Engineering Defects Liability YES / NO / NOT SATISFACTORY
- Improved on-road assistance YES / NO / NOT SATISFACTORY
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- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY



STRATEGIC PLANNING

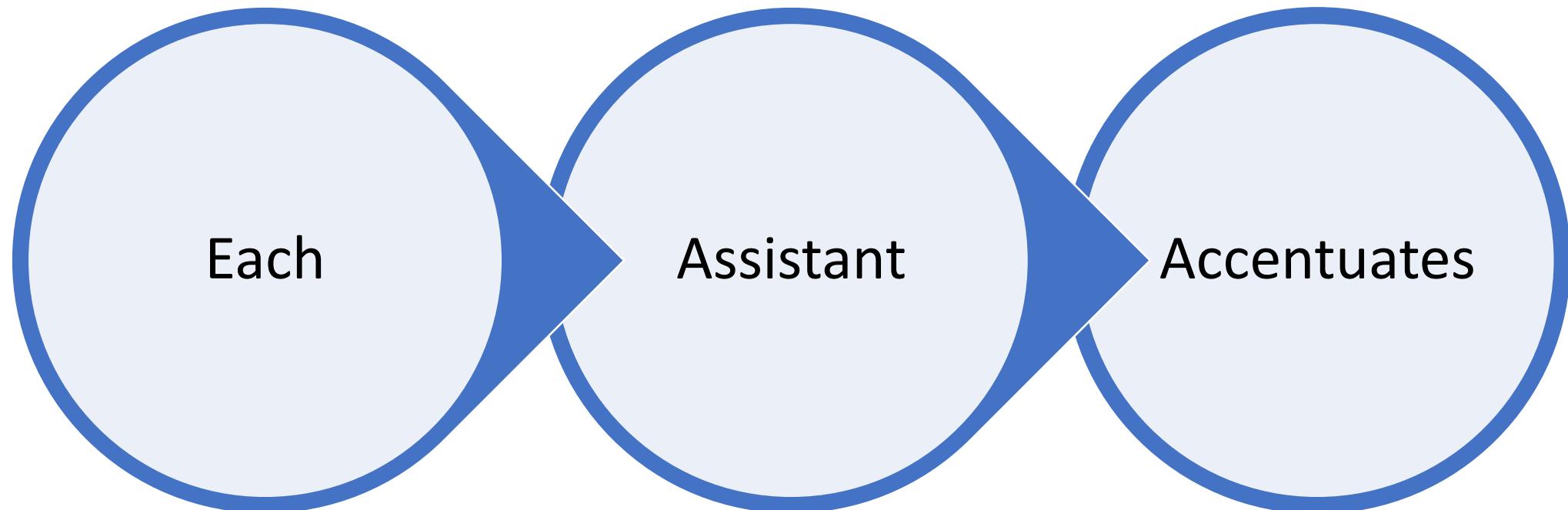


TACTICAL PLANNING



OPERATIONAL PLANNING

DRSS Assistants – Vehicle Fitness





Guidelines for Automotive Mechanics for decision making as to whether the

[] vehicle needs to be pulled off the road

[] vehicle needs cost effective repairs to be on-road

Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand, Model and Variant of the vehicle)

[] Abnormal noise check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Air filter check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Battery electrolyte level check

Condition; Ok/Problematic but will function/Needs top-up or refilling/Needs replacement

[] Blinkers, bulbs and head lamps check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Bolts and Nuts tightening check (engine specific)

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

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Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand, Model and Variant of the vehicle)

[] Bolts and Nuts tightening check (front and rear shock absorbers)

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Bolts and Nuts tightening check (front and rear tyres)

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Brake fluid level check

Condition; Ok/Problematic but will function/Needs top-up or refilling/Needs replacement

[] Brake disc condition check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand, Model and Variant of the vehicle)

[] Brake drum and lining check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Brake liners or pads check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Carburettor check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Chassis or body condition check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand, Model and Variant of the vehicle)

[] Clutch Pedal Play

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Coolant level check

Condition; Ok/Problematic but will function/Needs top-up or refilling/Needs replacement

[] Differential oil check

Condition; Ok/Problematic but will function/Needs top-up or refilling/Needs replacement

[] Drive belts tension check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Drive shafts check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Engine oil level check

Condition; Ok/Problematic but will function/Needs top-up or refilling/Needs replacement

Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand, Model and Variant of the vehicle)

[] Entire electricity cables and connections check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Exhaust system check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Fuel Lines Pipes Leakage check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Fuse box and fuses check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Gear Box oil check

Condition; Ok/Problematic but will function/Needs top-up or refilling/Needs replacement

Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand, Model and Variant of the vehicle)

[] Hoses, clamps and pipes check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Idling and proper acceleration check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Lubrication chart check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Power steering oil check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand. Model and Variant of the vehicle)

[] Seat and seat bolts check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Steering mechanism and play check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Suspension front and rear check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Tappet clearance check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Transmission oil check

Condition; Ok/Problematic but will function/Needs top-up or refilling/Needs replacement

Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand, Model and Variant of the vehicle)

[] Trans-axle and axle check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Tyre condition check (rotate if necessary)

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Tyre pressure check

Condition; Ok/Problematic but will function/Needs refilling/Needs replacement

[] Cranking/engine sound check while being started (rotate if necessary)

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

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Guidelines for Maintenance/Repair/Tuning

Being Anywhere at Any time needs you to be sensitized towards automotive mechanics that is as relevant to the Brand, Model and Variant of the vehicle)

[] Universal joints and slip joints check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

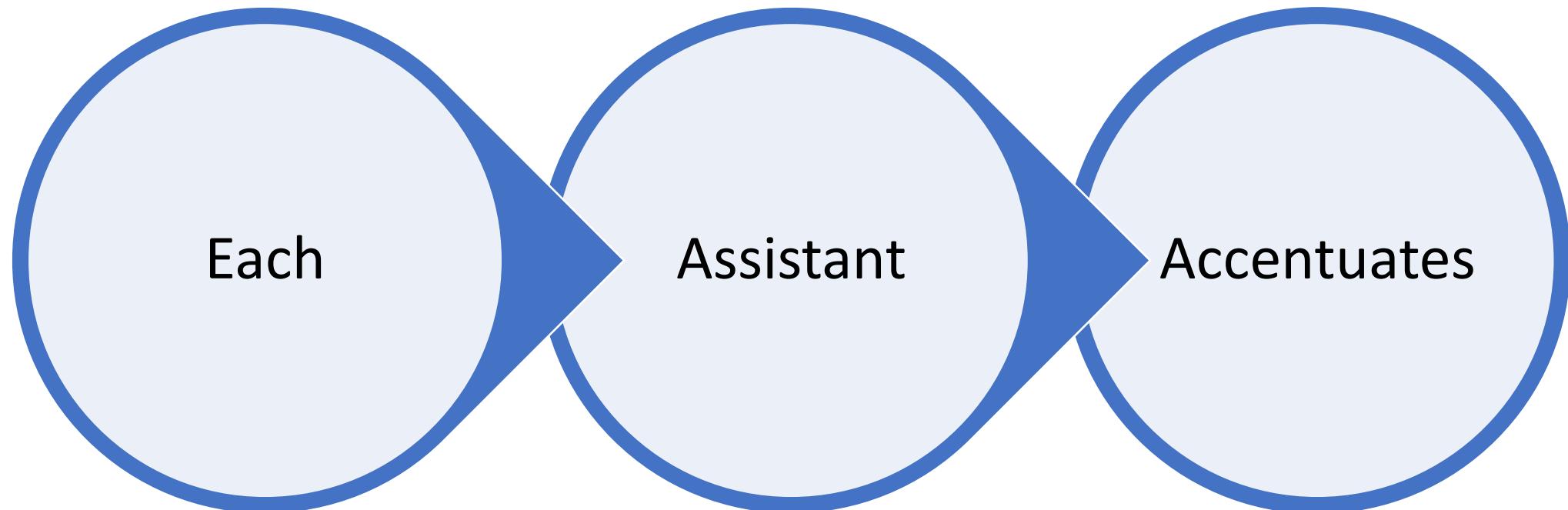
[] Vehicle pulling, Left wheel / Right wheel wobbling check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

[] Wheel alignment and balancing check

Condition; Ok/Problematic but will function/Needs maintenance/Needs repair/Needs replacement

DRSS Assistants – Vehicle Fitness



Quiz

DRSS
Assistants –
Vehicle
Fitness

