



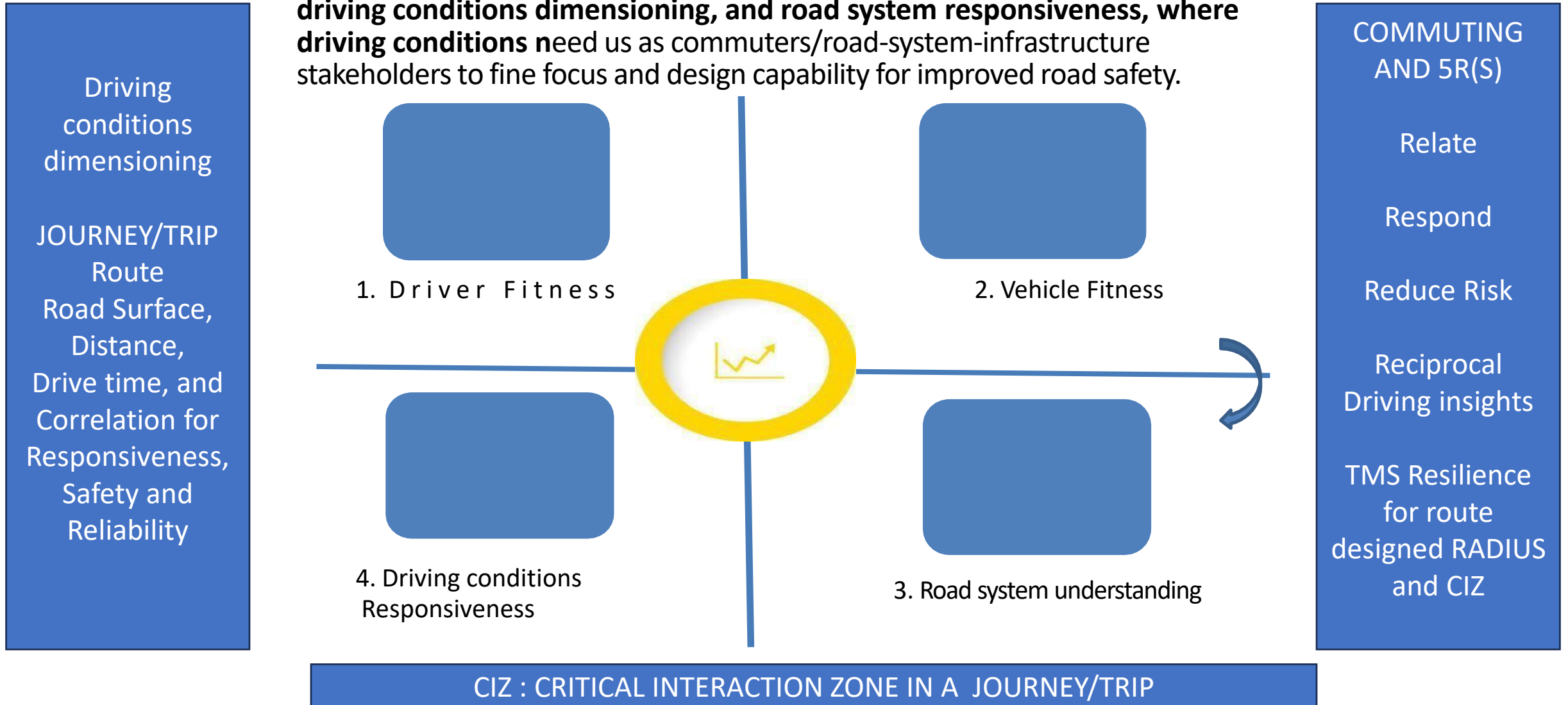
Road Safety / Support is a mainline National Safety and Social Responsibility

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

JULY
2026

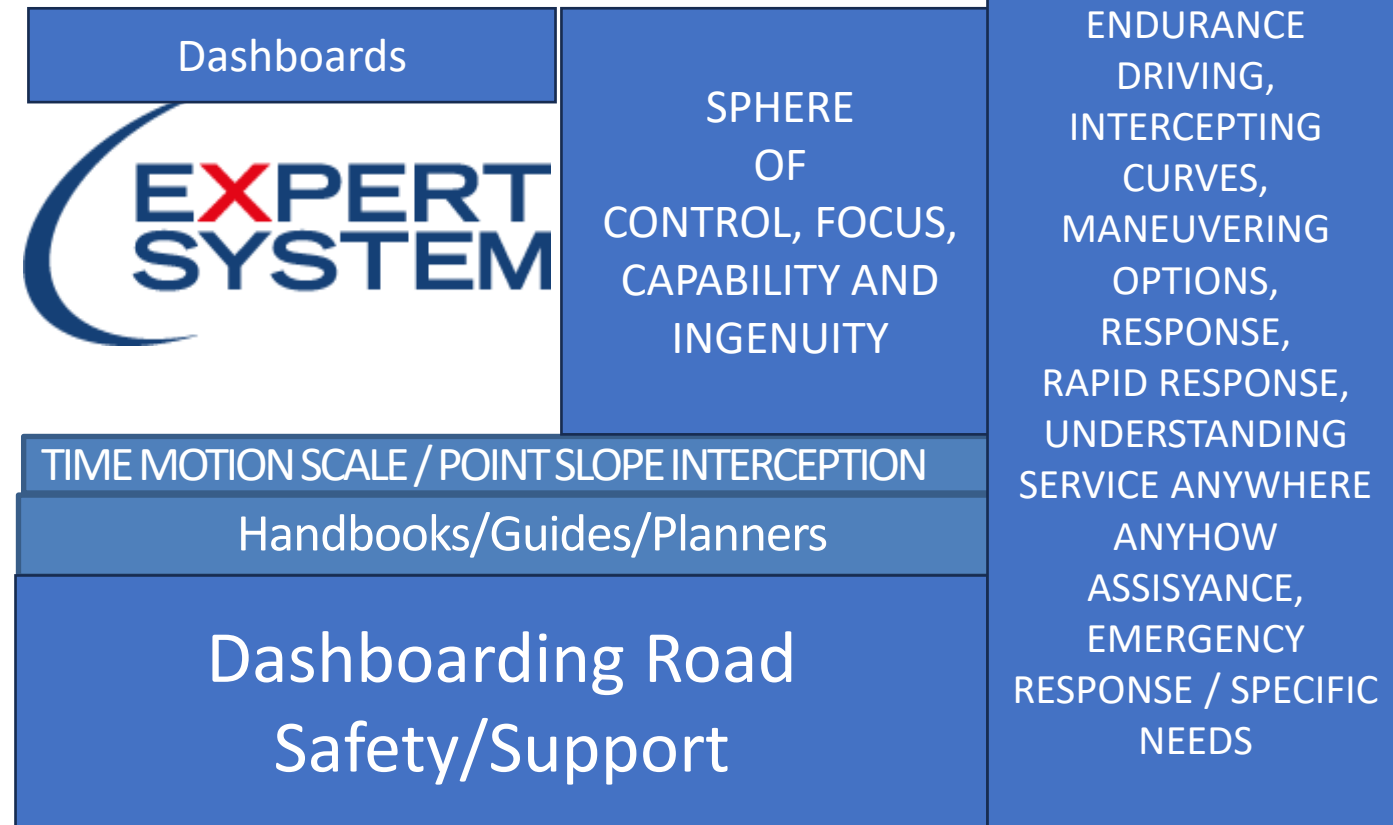
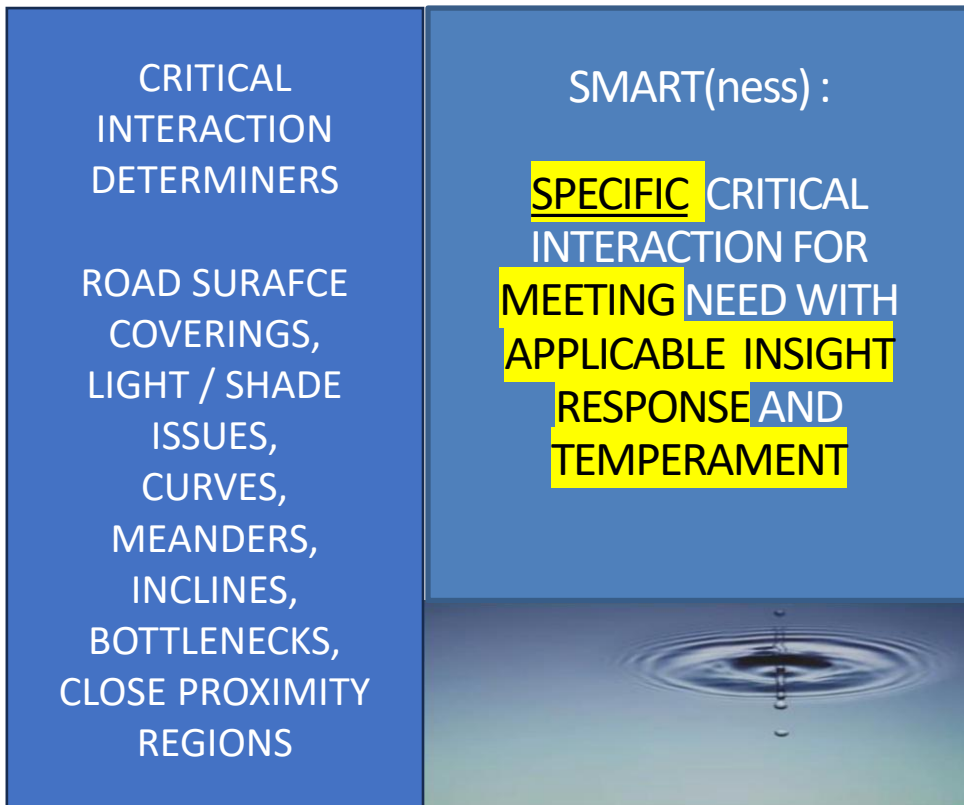
Dashboarding Road Safety/Support

- **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.**



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



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 NSSR 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



Road safety and Accountability Dashboard for the Year/Season 1

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- Onboarding of NSSR Road Safety objectives YES / NO / NOT SATISFACTORY
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- Complexity for Road Safety and Accountability YES / NO / NOT SATISFACTORY



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



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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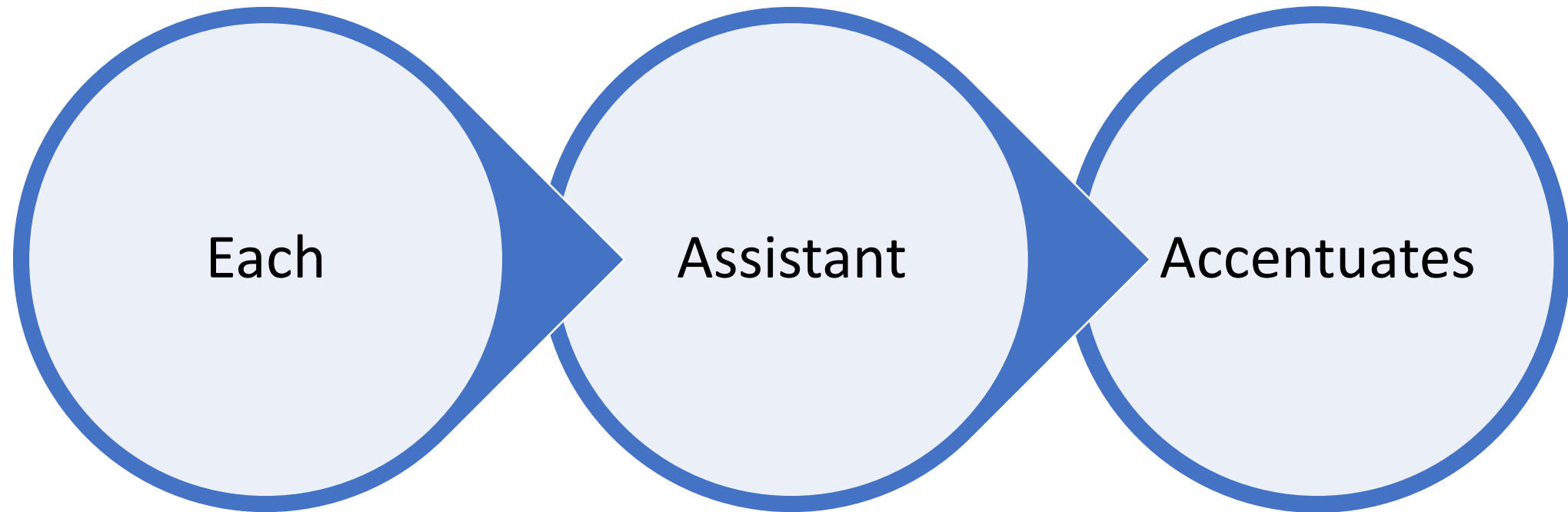


Road safety and Accountability Dashboard for the Year/Season 4

- 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
- Cost of Quality /Cost of Poor-Quality Project Assistance YES / NO / NOT SATISFACTORY
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DRSS Assistants – Contingency Planning





Guided Vital Health *Contingency Plan Assistant*

Healthcare group for quality of life: Educated family/Partially Educated family/Uneducated family/Other requirements

Weight: Normal/Under-weight/Overweight/Needs monitoring/Do not know

Blood picture diagnostics: Normal/Susceptible/Needs monitoring/Do not know

Blood sugar diagnostics: Normal/Low/High/Needs monitoring/Do not know

Blood pressure diagnostics: Normal/Low/High/Needs monitoring/Do not know

Cardio-vascular function diagnostics: Normal/Diagnosis available/Susceptible/Needs monitoring/Do not know

Liver function diagnostics: Normal/Diagnosis available/Susceptible/Needs monitoring/Do not know

Renal function diagnostics: Normal/Diagnosis available/Susceptible/Needs monitoring/Do not know

DNA/RNA (mutation) diagnostics: Normal/Diagnosis available/Needs monitoring/Do not know

Auto-immune system diagnostics: Normal/Diagnosis available/Needs monitoring/Do not know

Recording details of any specific Emergency Response Healthcare provider to call



Contingency Plan Assistant

While on-road or on-the-track, do you know what to do for

- Heart Attack symptoms
- Blood sugar level changes
- Blood pressure level changes
- Cuts/Wounds (severe)
- Burns
- Fractures
- Respiratory problems
- Allergic reactions
- Climate related illnesses
- Alpha Assistance for afflicted or impaired co-passengers



Recording details of any Emergency Response Healthcare Provider to call



Contingency Plan Assistant

When on-road or on-the-track, do you know what to do for

- Snake bites
- Electric shocks
- Bites
- Stings
- Fires
- Heat waves
- Cold waves
- Severe concern for the afflicted co-passengers
- Alpha Assistance in Emergencies
- Alpha Assistance in Vehicle Breakdowns
- Alpha Assistance in Due Relief measures



Recording details of any Emergency Response
Healthcare Provider to call



Contingency Planning

- Most countries & cities are known to need emergency response services
- Emergency response services are provided by different agencies operating ambulances (that are of the air ambulance (in special circumstances) and on-road ambulance or rail ambulance categories), specific to cause disaster management teams, armed forces or even special task forces.
- In Karnataka, the first responders are the Karnataka Fire and Emergency Services department.
- Importantly most cities have different requirements and systems for such response.

Contingency Planning

SMART intervention for commuters

- As people travelling on a road/road system, or visiting a location or zone need different kinds of emergency response services, this proposal categorizes people that may be affected as Children, Teenagers, Adults, Elders, Working class people, Business class people, Government officials, Aged, weak or sick people, Blind or handicapped people, Tourists etc. It is recommended that Ease of Care cards, and LifeScore Cards be issued to sites or if relevant to occupants to help responsiveness.
- The recommendation also highlights the skills needed by Emergency Medical teams, as this can sensitize people to infer, sense and respond to their skills and need for freer movement etc...

Contingency Planning

SMART intervention for commuters

1. EMT Category1: Emergency Response (Basic)

- Skills needed: Assessment, securing or sanitizing scene of incidence, extrication of injured or affected, splitting and bandaging, airway management with oral/nasal interventions, CPR or PASC application.
- With the road dynamics threat looming over us, Ease of Care cards and (proposed) Companion Health Cards can make it easier for CPR or PASC application. SMART intervention is a must given our past issues and dynamics.
- **Cardiopulmonary resuscitation (CPR)** is an emergency procedure that combines chest compressions often with artificial ventilation in an effort to manually preserve intact brain function until further measures are taken to restore spontaneous blood circulation and breathing in a person who is in cardiac arrest.
- PASC stands for Preliminary Administrative Services Credentials

Contingency Planning

SMART intervention for commuters

- **2. EMT Category 2: Emergency Response (Ambulance)**

Skills needed: Basic skills + general driving or vehicle specific driving experience + awareness of ambulance pre-requisites, practice, operations and legal responsibilities

- **3. EMT Category 3: Emergency Response (Intermediate complexity)**

Skills needed: Basic skills + shock management + IV therapy + trauma evaluation + pre-hospital assessment or triaging according to established protocols

- **4. EMT Category 4: Emergency Response (Defibrillation skills)**

- Skills needed: Basic skills + use of manual, semi-automatic or automatic defibrillator + recognition of VF patterns via the development of cognitive skills. Here **Ventricular tachycardia (V-tach or VT)** is a type of regular and fast heart rate that arises from improper electrical activity in the ventricles of the heart

Contingency Planning

SMART intervention for commuters

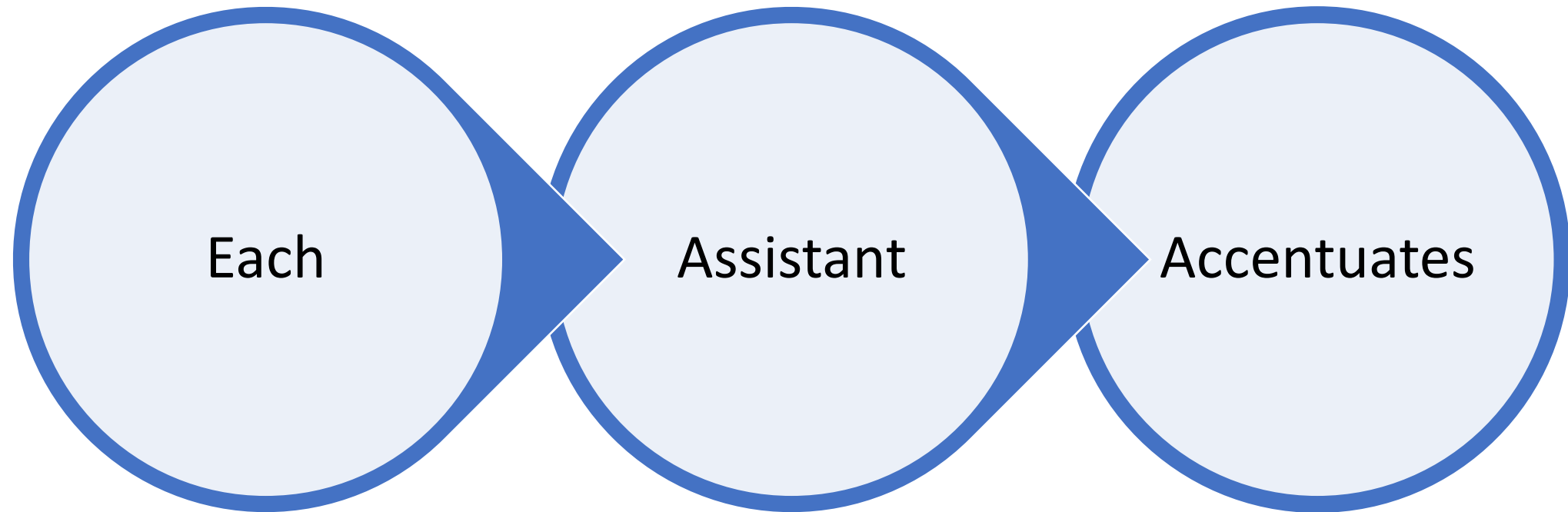
- **5. EMT Category 5: Emergency Response (Paramedic)**
- Skills needed: Intermediate complexity skills + insertion of endotracheal tubes, administration of emergency medications + ability to assist physicians + ALS skills
- **With more inference for connected involvement and influence on need proportion, ALS skills could include**
- a. Airway **Management** and Ventilation.
- b. Cardiovascular Emergencies.
- c. Patient Assessment and **Management**.
- d. Vascular Access and Medication Administration.
- e. Medical.
- f. Trauma **Management**.
- g. Neonatology and Obstetrics
- h. Operations.
- NSSR or People Welfare Systems (with First Aid guidelines) and (proposed) Ease of Care and Companion Health Card response (for SMART mitigation of the dynamics on road that can cause a serious threat for people on road, or at a location)
- The related-2020-version proof of concept website for this is:
- <https://venkataoec.wixsite.com/rplus-analytics>

Contingency Planning

SMART intervention for commuters

- EST Category 2: Assist in response for hostage situations, terror attack or bomb threats
- **EST Category 3: Assist in response for strike, mob violence, curfews or restricted movement specific response**
- EST Category 4: Assist in ride operator specific accident relief, crime surveillance, incident specific response and remedial action
- **EST Category 5: Ability to assist handicapped, disabled or afflicted in times of need**
- **EST Category 6::Ability to assist Centralized Accident and Trauma Service (CATS) teams**
- **EST Category 7::Ability to assist Normal or Advanced Life Support**

DRSS Assistants – Contingency Planning



Quiz

DRSS
Assistants –
Contingency
Planning

