

Date started:

Current date:

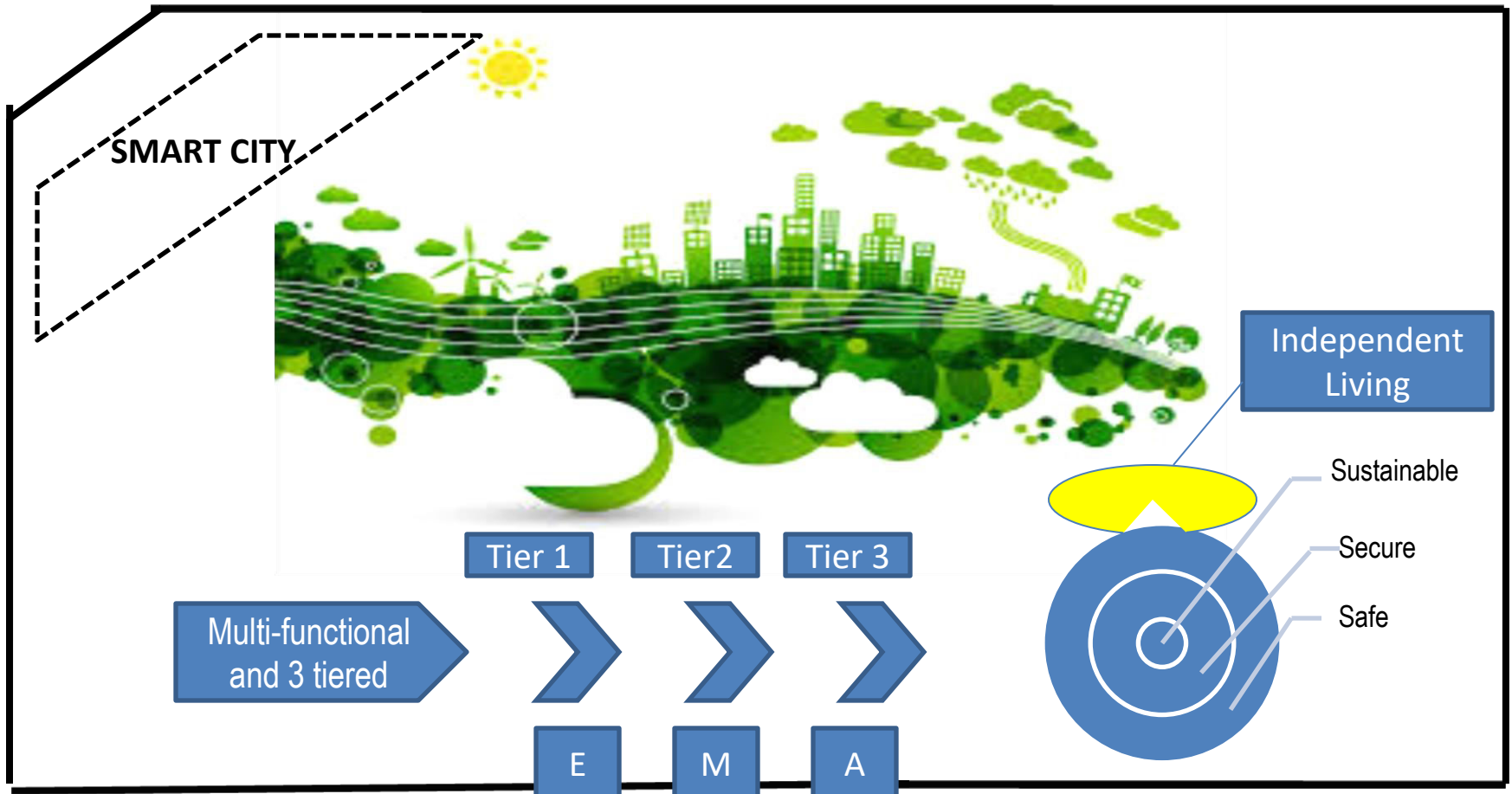
Time elapsed:

POC made available to BBMP
And Prosus SIC

Infra Systems Tool

Version 1.00.2018-2021

Connected Emergency
Response (CERC)



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Save

Cancel

Help

Date started:

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Time elapsed:

Infra Systems Tool

- **Purpose**
- This (**E**vidence-**M**itigation-**A**uditing) tool is multi-functional and 3 tiered to help governing bodies, risk management committees and citizens (people) achieve safe, secure and sustainable commuting & independent living), where there is reliable utilization (of a road system, or a metro rail network), traffic management, pollution level control, disaster management and emergency response.
- This tool will be offered independently or as a solution accelerator as part of existing IT systems.
- This version of the tool currently focuses on the SMART Infra Systems vision for
- IST 1. Safer Commuting & Commuter Health –
version 1.00.2018-2020
- IST 2. Operating Climate Engineering (readiness, repair or restoration and transformation strategy) – **version 1.00.2021**

Move backward

Move forward

Save session

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Save

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Help



Date started:

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Time elapsed:

Infra Systems Tool

- **IST 1. Safer Commuting and Commuter Health (Areas of connectivity and interoperability)**
- As per the current road systems and road infrastructure, the areas that are assessed by this tool are as follows:
 -
 - **A. SMART City (Components for IST.1)**
 - IST.1.A.1. Risk Management
 - IST.1.A.2. Commuter Safety
 - IST.1.A.3. Tracking of Roads
 - IST.1.A.4. Voluntary Savings (for the Commuter, Community & Environment)
 - IST.1.A.5. Emergency Response Services Network and CERC deployment
 - IST.1.A.6. Infra Enabling for Ambulances
 - IST.1.A.7. Infra Enabling for Special needs vehicles
 - IST.1.A.8. Infra Enabling for Air Ambulances
 - IST.1.A.9. Schedule of Assessments for Drivers



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Infra Systems Tool

- **Safer Commuting (Areas of connectivity and interoperability)**
- **B. Defect Liability Resolution (Components for IST.1)**
- IST.1.B.1 Linked Management
- IST.1.B.2. Passenger Vehicle Safety
- IST.1.B.3. Road Safety and Potholes
- IST.1.B.4. Road Safety and Manholes
- IST.1.B.5. Road Safety and Septic Systems
- IST.1.B.6. Roads and Pedestrian Safety
- IST.1.B.7. Planning Signage
- IST.1.B.8. Road Safety and Trees
- IST.1.B.9. Preparedness and mitigation of Water Logging
- IST.1.B.10. Planning or Designing Emergency Drainage Systems
- IST.1.B.11. Water logging and Safer Rainwater Harvesting
- IST.1.B.12. Extreme Weather and Transformer maintenance
- IST.1.B.13. Vulnerable Structures and Buildings



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Infra Systems Tool

- **Safer Commuting (Areas of connectivity and interoperability)**
- **C. Safety First (Components for IST.1)**
- IST.1.C.1. Taxis and Safety
- IST.1.C.2. Autos and Safety
- IST.1.C.3. Buses, Vans and Safety
- IST.1.C.4. Two-wheelers and Safety
- IST.1.C.5. Veritable Metro and On Road Services
- IST.1.C.6. SMART(er) Neighbourhoods
- IST.1.C.7. SMART(er) Commuting and
- IST.1.C.8. Independent Living
- To help governing bodies, risk management committees and people (entities) connect to the mentioned cluster of infrastructure facilities, systems and components, the following website link is available www.venkataoec.wixsite.com/safercommuting
- www.venkataoec.wixsite.com/gbrc



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Date started:

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Infra Systems Tool



- **Objective of assessment**

- The objective of the tool is
- (1) To permit a governing body (like BBMP) to audit their infrastructure and systems for compliance with respect to standards, applicable laws, regulations and guidelines for one and all (that is for independent living)..
- (2) To permit a risk management committee (like a body of experts, volunteering consultants (like INTACH), NGO(s)) to review the details available in terms of a universally veritable and safe profile called the VeriSafe profile, to report remedial practices, responsive steps and repurposing actions to mitigate risk. A simple VeriSafe profile for maintenance is included at the end of the presentation.
- (3) To permit a citizen or “people entity” record incidences, risks foreseen, problems, complaints, and issues that are thereon escalated to the governing body via the risk management committee. The tool will provide status for defects liability resolutions or complaints redressal.
- (4) To help develop a Connected Emergency Response Centre and solution
- Depending upon the version of the tool, the results of an assessment may or may not be integrated with other IT systems. AOEC has documented the need for a SMART Ward Integration Centre.

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Help

Date started:

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Time elapsed:

Infra Systems Tool



- **Objective of assessment**

- Since any certified assessment requires compliance with Global, Country-wide, State-wide or City- wide standards, the tool systematically highlights the need for universal VeriSafe conformances as against such different standards.
- The tool helps associate a VeriSafe Uid [or Universal VeriSafe Id] for the Infrastructure facility, system or component being assessed, if this is not possible then it permits the assessor to mark the assessment as a social responsibility. The Principal Assessor will be permitted to change such scope of quality certification, conformity assessment or defects liability resolution.
- Notwithstanding the strength of the quality management systems, the success of the VeriSafe objective depends on the auditing and risk management team performing On-site assessment and VeriSafe conformity assessment, where these teams are expected to play a vital role in determining the credibility and value of standardization for sustainable infrastructure.
- Thus, the members of the auditing or risk mitigation team would be required to exercise their systems understanding & scientific judgmental skill and form their opinion regarding extent of conformance with respect to sustainability criteria.

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Help

Date started:

Current date:

Time elapsed:

Infra Systems Tool



- **Objective of assessment**
- The tool will record Consolidated non-conformities, Quantitative and Qualitative analysis for the assessments.
- **The tool will record consolidated non-conformities for the** Infrastructure facilities, systems and components that have been assessed or audited. As quantitative and qualitative estimations or calculations are important for a SMART City vision or roadmap, the tool will also record details of the same.
- The **Quantitative analysis** will help know about the number of Infrastructure facilities, systems and components that have been assessed or audited, where numbers will be reported for those done with VeriSafe Uld(s) [or Universal VeriSafe Id(s)] and those that have been done in social responsibility.
- The **Qualitative analysis** will help know the number of infrastructure facilities, systems and components with a VeriSafe All Clear and also those that have Foreseen risks.
- Added to this, the tool will also summarize on the **Time schedule details** for the assessments.

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Date started:

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Time elapsed:

Infra Systems Tool



- **The Principal Assessor, during such holistic assessment shall**
 - i. Assess the implementation and effectiveness of the **VeriSafe Quality System** as documented in the Quality Manuals for the different infrastructure facilities, systems and components. The tool helps report all identified non-conformities.
 - ii. Assess the implementation and effectiveness of the **Auditing System** as per documented scope of software. The tool helps report all identified non-conformities.
 - iii. Assess the implementation and effectiveness of the **Risk Management System** as per documented scope of software. The tool helps report all identified non-conformities.
 - iv. Assess the implementation and effectiveness of the **One-View-One-Voice Evidence System** (that permits citizens, commuters, “people entities” to record incidences, risks, problems, issues faced or complaints with the infrastructure) as per documented scope of software. The tool helps report all identified non-conformities.

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Help

Date started:

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Time elapsed:

Infra Systems Tool



- **During such holistic assessment**
- v. The assessors should assess to verify that the documented best practices, norms, guidelines, Standard Operating Procedures (SOPs), facility or system or component functions, assessment methods and records are indeed implemented & effective as described in the VeriSafe Quality System and record observations.
- vi. Depending upon the scope of quality certification, conformity assessment or defects liability resolution, collect, compile and consolidate reports from all the assessors assigned to the various fields, departments and services, assessment areas. **(This tool helps do this).**
- vii. The tool permits manually recorded or on-demand reports to be made available to the Principal Assessor, via an Attach function, wherein the list of such attached documents is available for the assessors to see.
- On attaching files, each of these files will be uploaded into a Infra Systems Database, wherein the same can be reviewed later via the tool across sessions.

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Cancel

Help

Date started:

Current date:

Time elapsed:

Infra Systems Tool



- **During such holistic assessment**
- The tool permits the user to either switch to the “Investment through people” mode or the “Infra Quality Assurance” mode
- Tick the exclusive mode (for the >> button of the tool) to display the appropriate page
- ☐ Investment Through People (Page 12)
- ☐ Infra Quality Assurance (Page 17)
- ☐ Connected Emergency Response (Page 55)



Date started:

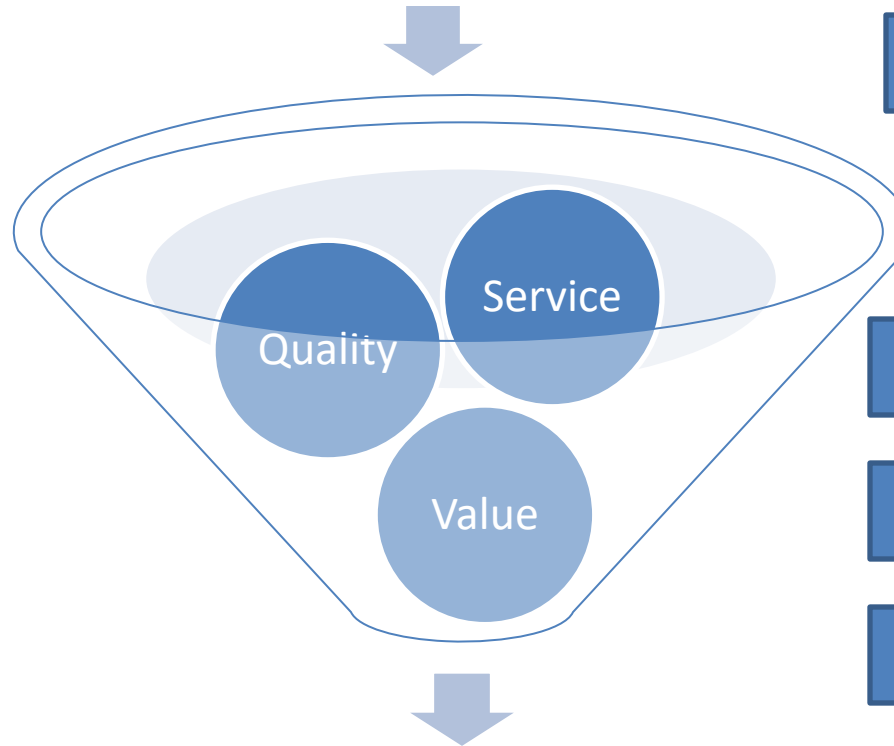
Current date:

Time elapsed:

IST.1.



SMART Infra Systems



*Safe, Strategic & Triaged
Infrastructure*

For the Public

One view One voice

Tagged for importance
Evidence

Tagged for importance
Risk Mitigation



Date started:

Current date:

Time elapsed:

- **(For assessments enter H – High importance, M – Medium importance, L – Low importance)**

- 1. Tracking of Roads ☐ Evidence based ☐ Risk Mitigation
- 2. Savings for the Commuter, Community & Environment ☐ Evidence based ☐ Risk Mitigation
- 3. Emergency Response Services Network + CERC ☐ Evidence based ☐ Risk Mitigation
- 4. Infra Enabling for Ambulances ☐ Evidence based ☐ Risk Mitigation
- 5. Infra Enabling for Special needs vehicles ☐ Evidence based ☐ Risk Mitigation
- 6. Infra Enabling for Air Ambulances ☐ Evidence based ☐ Risk Mitigation
- 7. Linked Management ☐ Evidence based ☐ Risk Mitigation
- 8. Schedule of Assessments for Drivers ☐ Evidence based ☐ Risk Mitigation
- 9. Passenger Vehicle Safety ☐ Evidence based ☐ Risk Mitigation
- 10. Road Safety and Potholes ☐ Evidence based ☐ Risk Mitigation

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **(For assessments enter H – High importance, M – Medium importance, L – Low importance)**

- 11. Road Safety and Manholes ☐ Evidence based ☐ Risk Mitigation
- 12. Road Safety and Septic Systems ☐ Evidence based ☐ Risk Mitigation
- 13. Roads and Pedestrian Safety ☐ Evidence based ☐ Risk Mitigation
- 14. Planning Signage ☐ Evidence based ☐ Risk Mitigation
- 15. Road Safety and Trees ☐ Evidence based ☐ Risk Mitigation
- 16. Preparedness and mitigation of Water Logging ☐ Evidence based ☐ Risk Mitigation
- 17. Planning or Designing emergency drainage systems ☐ Evidence based ☐ Risk Mitigation
- 18. Water logging and Safer Rainwater Harvesting ☐ Evidence based ☐ Risk Mitigation
- 19. Extreme Weather and Transformer maintenance ☐ Evidence based ☐ Risk Mitigation
- 20. Vulnerable Structures and Buildings ☐ Evidence based ☐ Risk Mitigation

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **(For assessments enter H – High importance, M – Medium importance, L – Low importance)**

- | | | |
|--|---|--|
| • 21. Taxis and Safety | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 22. Autos and Safety | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 23. Buses, Vans and Safety | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 24. Two-wheelers and Safety | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 25. Veritable Metro and On Road Services | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 26. SMART(er) Neighbourhoods | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 27. SMART(er) Commuting | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 28. Independent Living | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 29. To be defined | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |
| • 30. To be defined | <input type="checkbox"/> Evidence based | <input type="checkbox"/> Risk Mitigation |

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Save

Cancel

Help




Date started:




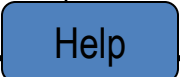
Current date:

Time elapsed:

Invokes a Context specific application that is specific to the VeriSafe Std Clause No

- Evidence or Risk Foreseen for Tracking of Roads (TOR)**

Name of People entity or Citizen		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR.1. IST.1.A.1	People or Citizen Evidence (of Incidences, Problems, Complaints, Issues) 		
TOR.2. IST.1.A.1	People or Citizen Evidence (Risks foreseen) 		
TOR.3. IST.1.A.1	People or Citizen Evidence (SMART Infra Desk Tickets) 		
TOR.4 IST 1.A.1	CERC (Risks foreseen)		
TOR.5 IST 1.A.1	CERC (CERC Infra Desk Tickets)		




Date started:




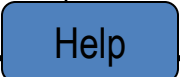
Current date:

Time elapsed:

- Evidence or Risk Foreseen for Independent Living**

Invokes a Context specific application that is specific to the VeriSafe Std Clause No

Name of People entity or Citizen		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR.1. IST.1.C.8.	People or Citizen Evidence (of Incidences, Problems, Complaints, Issues) 		
TOR.2. IST.1.C.8.	People or Citizen Evidence (Risks foreseen) 		
TOR.3. IST.1.C.8.	People or Citizen Evidence (SMART Infra Desk Tickets) 		
TOR.4. IST.1.C.8.	CERC (Risks foreseen)		
TOR.5. IST.1.C.8.	CERC (CERC Infra Desk Tickets)		

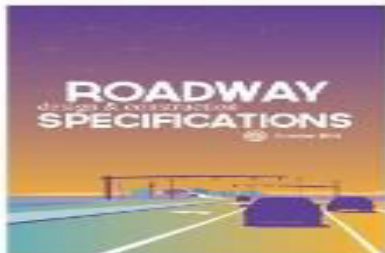
   

Date started:

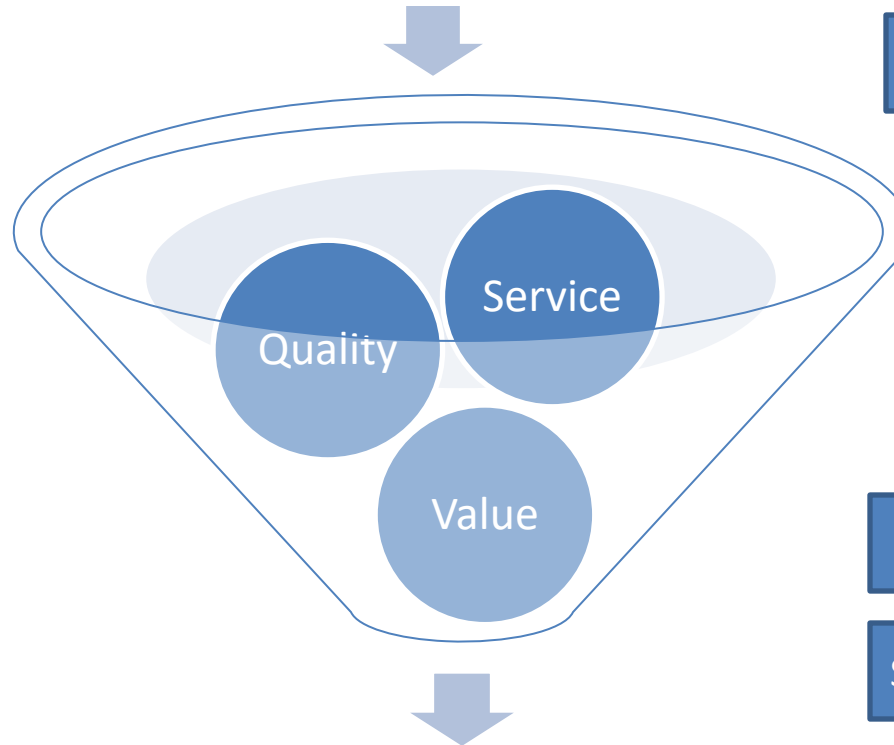
Current date:

Time elapsed:

TOR__ IST.1.A.1



People or Citizen Evidence



Context Sensitive

One view One voice

Select scope of Evidence

Safe, Strategic & Triaged Infrastructure



Date started:

Current date:

Time elapsed:

Invokes a Second-level application that is specific to the VeriSafe Std Clause No

- People or Citizen Evidence for Tracking of Roads (TOR)**

Name of People entity or Citizen		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR.1.1 IST.1.A.1	People or Citizen Incidences	...	
TOR.1.2 IST.1.A.1	People or Citizen Problems	...	
TOR.1.3 IST.1.A.1	People or Citizen Complaints	...	
TOR.1.4 IST.1.A.1	People or Citizen Issues	...	
TOR.1.2 IST.1.A.1	People or Citizen Risks foreseen	...	
TOR.1.3 IST.1.A.1	SMART Infra Desk Tickets	...	

<<

Save

Cancel

...

Help

Date started:

Current date:

Time elapsed:

Invokes a Second-level application that is specific to the VeriSafe Std Clause No

- **People or Citizen Evidence for Tracking of Roads (TOR)**

Name of People entity or Citizen		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR.1.4 IST.1.A.1	CERC (Risks foreseen) ...		
TOR.1.5 IST.1.A.1	CERC (CERC Infra Desk Tickets) ...		

<< Save Cancel ... Help

Date started:

Current date:

Time elapsed:

- People or Citizen Evidence for Independent Living**

Invokes a Second-level application that is specific to the VeriSafe Std Clause No

Name of People entity or Citizen		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR.1.1 IST.1.C.8	People or Citizen Incidences	...	
TOR.1.2 IST.1. C.8	People or Citizen Problems	...	
TOR.1.3 IST.1. C.8	People or Citizen Complaints	...	
TOR.1.4 IST.1. C.8	People or Citizen Issues	...	
TOR.1.2 IST.1. C.8	People or Citizen Risks foreseen	...	
TOR.1.3 IST.1. C.8	SMART Infra Desk Tickets ;	...	

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Cancel

...

Help

Date started:

Current date:

Time elapsed:

Invokes a Second-level application that is specific to the VeriSafe Std Clause No

• **People or Citizen Evidence for Independent Living**

Name of People entity or Citizen		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR.1.4 IST.1.C.8	CERC (Risks foreseen) ...		
TOR.1.5 IST.1.C.8	CERC (CERC Infra Desk Tickets) ...		

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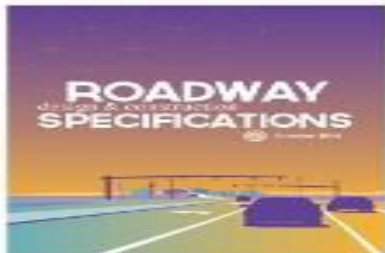
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Date started:

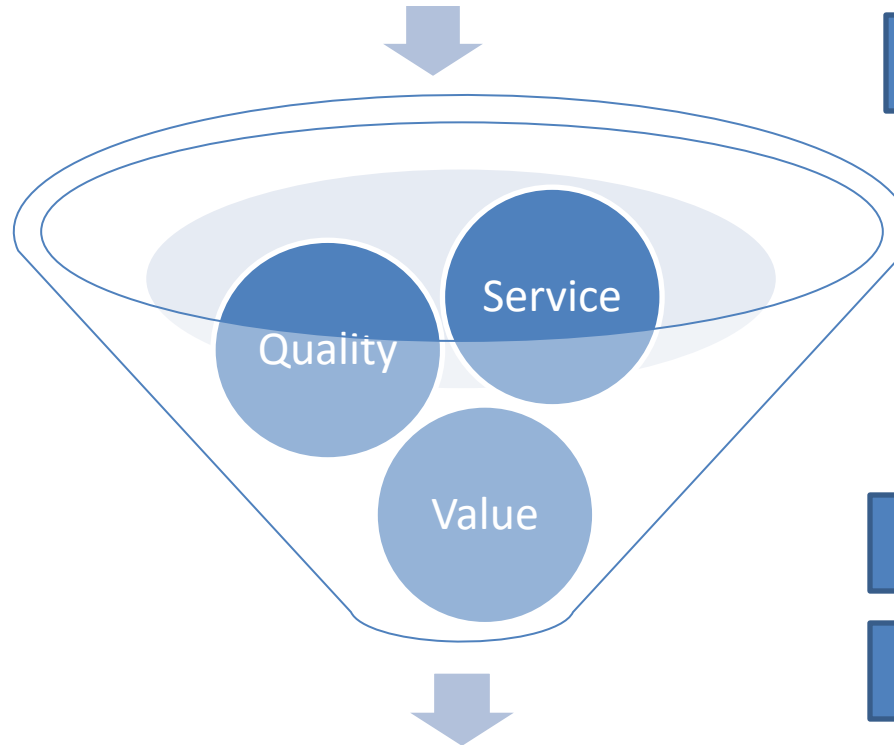
Current date:

Time elapsed:

TOR__ IST.1.A.1



People or Citizen Evidence



Second level

One view One voice

Evidence

*Safe, Strategic & Triaged
Infrastructure*



People or Citizen Evidence

- The complete user interface will be made available on request or on confirmation of interest to purchase or further develop the toolkit for the SMART Infra Systems framework.
- You can ask for the toolkit by contacting the consultant K.S.Venkatram on +919342867666 or by emailing venkataoec@gmail.com.



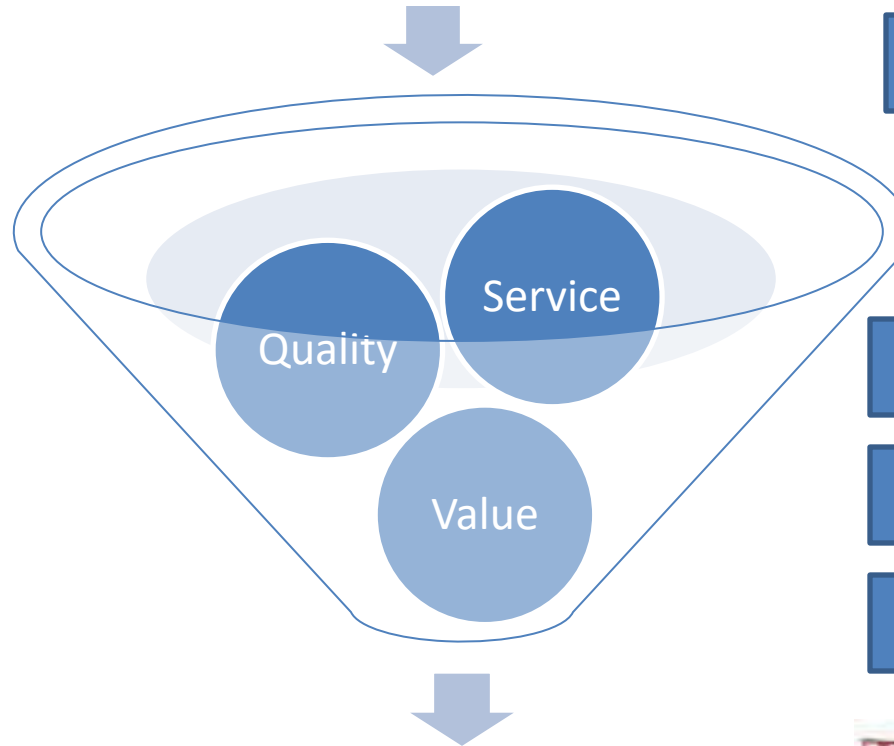
Date started:

Current date:

Time elapsed:

Infra Quality Assurance

IST.1.



Safe, Strategic & Triaged
Infrastructure

For Officials only

Defined Schedule for
Assessment

Weightage based Audit
or Assessment

Tagged for importance
Risk Mitigation



Date started:

Current date:

Time elapsed:

- Assessment Schedule for the VeriSafe Quality System**

Name of the assessor or assessing organization:	
Assessment done by:	
Date(s) of assessment:	
Nature of assessment (Tick as applicable)	<input type="checkbox"/> To act on People or Citizen Evidence <input type="checkbox"/> Audit <input type="checkbox"/> Mitigation of Risk <input type="checkbox"/> Validation of VeriSafe Quality Compliance

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- Observations Template for the VeriSafe Quality System

Infrastructure Cluster assessed (Tick as applicable)	<input checked="" type="checkbox"/> <input type="text" value="IST 1"/> <input type="checkbox"/> <input type="text" value="IST 2"/>
Scope of assessment: (Tick as applicable)	<input type="checkbox"/> <input type="text" value="SMART City"/> <input type="checkbox"/> <input type="text" value="Defects liability"/> <input type="checkbox"/> <input type="text" value="Safety first"/> <input type="checkbox"/> <input type="text" value="CERC"/>
Infrastructure Systems to be assessed (Select from list):	

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Save

Cancel

Help

Date started:

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Time elapsed:

- **Observations Template for the VeriSafe Quality System**

Attach Infrastructure Systems Reports:		Details (Read only)	
<div>Attach.....</div>			
List of files			
<div><div></div><div>↑</div><div></div><div>↓</div></div>			

<<

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- Observations Template for the VeriSafe Quality System**

SI No.	Observations	Remarks

<<

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- Observations Template for the VeriSafe Quality System**

SI No.	Observations	Remarks

<<

>>

Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- Observations Template for the VeriSafe Quality System**

SI No.	Observations	Remarks

<<

>>

Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **Non-conformity Template for the VeriSafe Quality System**

Non-conformity (NC) raised:	
Classification of NC: (Tick as applicable)	<input type="checkbox"/> MAJOR DEFECTS <input type="checkbox"/> MINOR DEFECTS <input type="checkbox"/> VERISAFE NON-COMPLIANCE

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Save

Cancel



Help

Date started:

Current date:

Time elapsed:

- **Non-conformity Template for the VeriSafe Quality System**

(Read only) Reference to VeriSafe Quality Std(s) and Clause No(s)		
Correction Action taken/proposed		
Remarks by Assessor if any		

Date started:

Current date:

Time elapsed:

- **Non-conformity Template for the VeriSafe Quality System**

Any specific recommendations			
Any other details			
Name of the assessor or assessing organization		Name of Principal Assessor	
<input type="text"/>		<input type="text"/>	
Date: <input type="text"/>		Date: <input type="text"/>	

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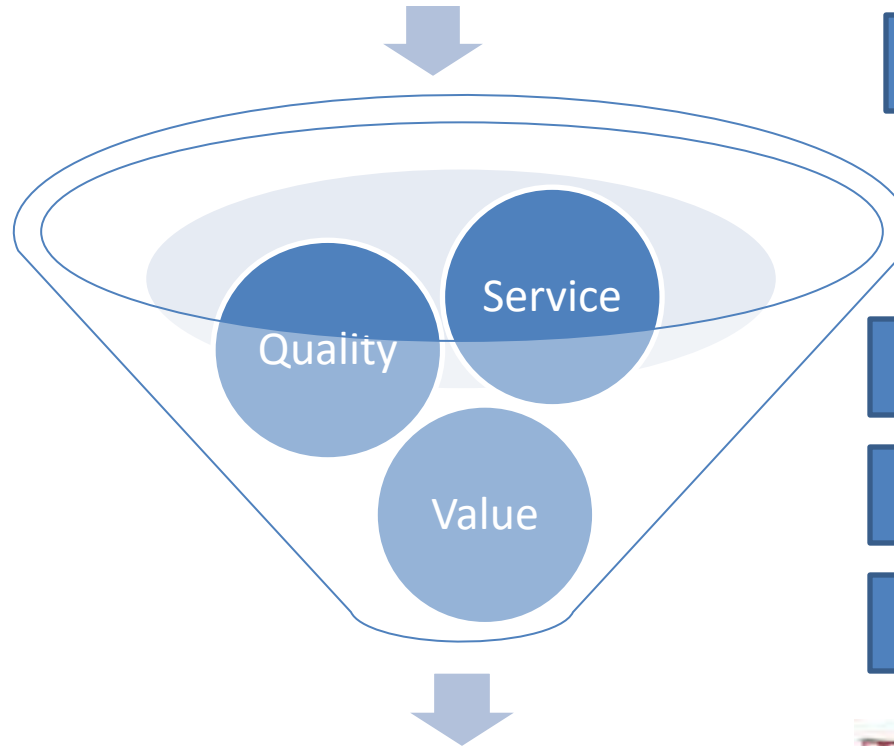
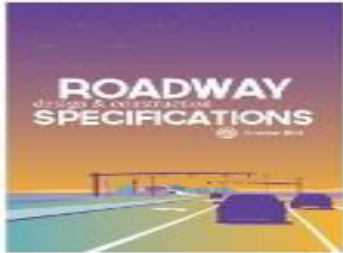
Date started:

Current date:

Time elapsed:

Infra Quality Assurance

IST.1.



For Officials only

Start Quality Assurance

Start Audit or Assessment (BBMP)

Start on Risk Mitigation

Safe, Strategic & Triaged
Infrastructure



Date started:

Current date:

Time elapsed:

- **(To begin, enter tag H – High importance, M – Medium importance, L – Low importance)**

- | | | | | |
|--|-------------------------------------|-----------|--------------------------|-----------------|
| • 1. Tracking of Roads | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 2. Savings for the Commuter, Community & Environment | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 3. Emergency Response Services Network + CERC | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 4. Infra Enabling for Ambulances | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 5. Infra Enabling for Special needs vehicles | <input checked="" type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 6. Infra Enabling for Air Ambulances | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 7. Linked Management | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 8. Schedule of Assessments for Drivers | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 9. Passenger Vehicle Safety | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 10. Road Safety and Potholes | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **(Enter tag H – High importance, M – Medium importance, L – Low importance)**

- | | | | | |
|--|-------------------------------------|-----------|--------------------------|-----------------|
| • 11. Road Safety and Manholes | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 12. Road Safety and Septic Systems | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 13. Roads and Pedestrian Safety | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 14. Planning Signage | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 15. Road Safety and Trees | <input checked="" type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 16. Preparedness and mitigation of Water Logging | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 17. Planning or Designing emergency drainage systems | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 18. Water logging and Safer Rainwater Harvesting | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 19. Extreme Weather and Transformer maintenance | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |
| • 20. Vulnerable Structures and Buildings | <input type="checkbox"/> | Weightage | <input type="checkbox"/> | Risk Mitigation |

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **(Enter tag H – High importance, M – Medium importance, L – Low importance)**

- | | | |
|--|---|--|
| • 21. Taxis and Safety | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |
| • 22. Autos and Safety | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |
| • 23. Buses, Vans and Safety | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |
| • 24. Two-wheelers and Safety | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |
| • 25. Veritable Metro and On Road Services | <input checked="" type="checkbox"/> H Weightage | <input type="checkbox"/> Risk Mitigation |
| • 26. SMART(er) Neighbourhoods | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |
| • 27. SMART(er) Commuting | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |
| • 28. Independent Living | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |
| • 29. To be defined | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |
| • 30. To be defined | <input type="checkbox"/> Weightage | <input type="checkbox"/> Risk Mitigation |

<<

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- Consolidated non-conformities report for Tracking of Roads (TOR)**

Invokes an application that is specific to the VeriSafe Std Clause No

Name of assessor or assessing organization		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR. 1. IST.1.A.1	MIR details (MIR stands for the Management Index for a SMART Infra System, say Road systems)		
TOR. 2. IST.1.A.1	KPI(s) (where KIP stands for Key Performance Indicators)		
TOR. 3. IST.1.A.1	SMART Infra Triage Systems (where the triage drives the interrelationship between systems) ...		
TOR.4. IST.1.A.1	Heritage Quotient Synthesis (where conformity helps protect natural, man made and cultural heritage) ...		
TOR.5. IST.1.A.1	Act on People or Citizen Evidence ...		
TOR.6. IST.1.A.1	SMART Infra Desk Tickets ...		

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Save

Cancel

...

Help

Date started:

Current date:

Time elapsed:

- Consolidated non-conformities report for Tracking of Roads (TOR)

Invokes an application that is specific to the VeriSafe Std Clause No

Name of assessor or assessing organization		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR. 7. IST.1.A.1	CERC (Risks foreseen)	...	
TOR. 8. IST.1.A.1	CERC (CERC Infra Desk Tickets)	...	

<<

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- Consolidated non-conformities report for Independent Living**

Invokes an application that
is specific to the VeriSafe Std
Clause No

Name of assessor or assessing organization		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR. 1. IST.1.C.8	MIR details (MIR stands for the Management Index for a SMART Infra System, say Road systems)		
TOR. 2. IST.1. C.8	KPI(s) (where KIP stands for Key Performance Indicators)		
TOR. 3. IST.1. C.8	SMART Infra Triage Systems (where the triage drives the interrelationship between systems) ...		
TOR.4. IST.1. C.8	Heritage Quotient Synthesis (where conformity helps protect natural, man made and cultural heritage) ...		
TOR.5. IST.1. C.8	Act on People or Citizen Evidence ...		
TOR.6. IST.1. C.8	SMART Infra Desk Tickets ...		

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Save

Cancel

...

Help

Date started:

Current date:

Time elapsed:

Invokes an application that is specific to the VeriSafe Std Clause No

Consolidated non-conformities report for Independent Living

Name of assessor or assessing organization		Date(s):	
VeriSafe Std Clause No	VeriSafe Standard Requirements	No. of major non-conformities	No. of minor non-conformities
TOR. 7. IST.1. C.8	CERC (Risks foreseen)	...	
TOR. 8. IST.1. C.8	CERC (CERC Infra Desk Tickets)	...	

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Save

Cancel

Help

Infra Quality Assurance

- The complete user interface will be made available on request or on confirmation of interest to purchase or further develop the toolkit for the SMART Infra Systems framework.
- You can ask for the toolkit by contacting the consultant K.S.Venkatram on +919342867666 or by emailing venkataoec@gmail.com.



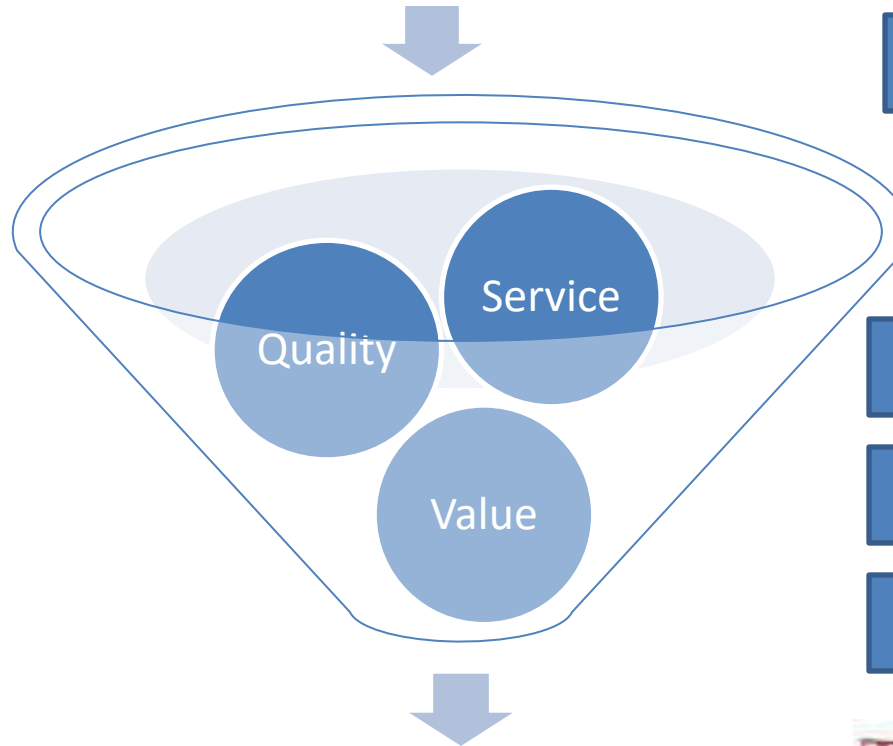
Date started:

Current date:

Time elapsed:

Infra Quality Assurance

IST.1.



Safe, Strategic & Triaged
Infrastructure

For Officials only

Quality Assurance
Reports and Analysis

Quantitative Analysis

Qualitative Analysis



Date started:

Current date:

Time elapsed:

- **Quantitative analysis of assessment (will display consolidated numbers)**

- 1. Tracking of Roads ☐ Via Uid(s) ☐ Via Social Resp...
- 2. Savings for the Commuter, Community & Environment ☐ Via Uid(s) ☐ Via Social Resp...
- 3. Emergency Response Services Network + CERC ☐ Via Uid(s) ☐ Via Social Resp...
- 4. Infra Enabling for Ambulances ☐ Via Uid(s) ☐ Via Social Resp...
- 5. Infra Enabling for Special needs vehicles ☒ Via Uid(s) ☐ Via Social Resp...
- 6. Infra Enabling for Air Ambulances ☐ Via Uid(s) ☐ Via Social Resp...
- 7. Linked Management ☐ Via Uid(s) ☐ Via Social Resp...
- 8. Schedule of Assessments for Drivers ☐ Via Uid(s) ☐ Via Social Resp...
- 9. Passenger Vehicle Safety ☐ Via Uid(s) ☐ Via Social Resp...
- 10. Road Safety and Potholes ☐ Via Uid(s) ☐ Via Social Resp...

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **Quantitative analysis of assessment (will display consolidated numbers)**

- 11. Road Safety and Manholes ☐ Via Uid(s) ☐ Via Social Resp...
- 12. Road Safety and Septic Systems ☐ Via Uid(s) ☐ Via Social Resp...
- 13. Roads and Pedestrian Safety ☐ Via Uid(s) ☐ Via Social Resp...
- 14. Planning Signage ☐ Via Uid(s) ☐ Via Social Resp...
- 15. Road Safety and Trees ☒ Via Uid(s) ☐ Via Social Resp...
- 16. Preparedness and mitigation of Water Logging ☐ Via Uid(s) ☐ Via Social Resp...
- 17. Planning or Designing emergency drainage systems ☐ Via Uid(s) ☐ Via Social Resp...
- 18. Water logging and Safer Rainwater Harvesting ☐ Via Uid(s) ☐ Via Social Resp...
- 19. Extreme Weather and Transformer maintenance ☐ Via Uid(s) ☐ Via Social Resp...
- 20. Vulnerable Structures and Buildings ☐ Via Uid(s) ☐ Via Social Resp...

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **Quantitative analysis of assessment (will display consolidated numbers)**

- 21. Taxis and Safety ☐ Via Uid(s) ☐ Via Social Resp...
- 22. Autos and Safety ☐ Via Uid(s) ☐ Via Social Resp...
- 23. Buses, Vans and Safety ☐ Via Uid(s) ☐ Via Social Resp...
- 24. Two-wheelers and Safety ☐ Via Uid(s) ☐ Via Social Resp...
- 25. Veritable Metro and On Road Services ☒ Via Uid(s) ☐ Via Social Resp...
- 26. SMART(er) Neighbourhoods ☐ Via Uid(s) ☐ Via Social Resp...
- 27. SMART(er) Commuting ☐ Via Uid(s) ☐ Via Social Resp...
- 28. Independent Living ☐ Via Uid(s) ☐ Via Social Resp...
- 29. To be defined ☐ ☐
- 30. To be defined ☐ ☐

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **Qualitative analysis of assessment (will display consolidated numbers)**

- 1. Tracking of Roads ☐ VeriSafe AllClear ☐ Foresee Risks
- 2. Savings for the Commuter, Community & Environment ☐ VeriSafe AllClear ☐ Foresee Risks
- 3. Emergency Response Services Network + CERC ☐ VeriSafe AllClear ☐ Foresee Risks
- 4. Infra Enabling for Ambulances ☐ VeriSafe AllClear ☐ Foresee Risks
- 5. Infra Enabling for Special needs vehicles ☒ VeriSafe AllClear ☐ Foresee Risks
- 6. Infra Enabling for Air Ambulances ☐ VeriSafe AllClear ☐ Foresee Risks
- 7. Linked Management ☐ VeriSafe AllClear ☐ Foresee Risks
- 8. Schedule of Assessments for Drivers ☐ VeriSafe AllClear ☐ Foresee Risks
- 9. Passenger Vehicle Safety ☐ VeriSafe AllClear ☐ Foresee Risks
- 10. Road Safety and Potholes ☐ VeriSafe AllClear ☐ Foresee Risks

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **Qualitative analysis of assessment (will display consolidated numbers)**

- 11. Road Safety and Manholes ☐ VeriSafe AllClear ☐ Foresee Risks
- 12. Road Safety and Septic Systems ☐ VeriSafe AllClear ☐ Foresee Risks
- 13. Roads and Pedestrian Safety ☐ VeriSafe AllClear ☐ Foresee Risks
- 14. Planning Signage ☐ VeriSafe AllClear ☐ Foresee Risks
- 15. Road Safety and Trees ☒ VeriSafe AllClear ☐ Foresee Risks
- 16. Preparedness and mitigation of Water Logging ☐ VeriSafe AllClear ☐ Foresee Risks
- 17. Planning or Designing emergency drainage systems ☐ VeriSafe AllClear ☐ Foresee Risks
- 18. Water logging and Safer Rainwater Harvesting ☐ VeriSafe AllClear ☐ Foresee Risks
- 19. Extreme Weather and Transformer maintenance ☐ VeriSafe AllClear ☐ Foresee Risks
- 20. Vulnerable Structures and Buildings ☐ VeriSafe AllClear ☐ Foresee Risks

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Save

Cancel

Help

Date started:

Current date:

Time elapsed:

- **Qualitative analysis of assessment (will display consolidated numbers)**

- 21. Taxis and Safety ☐ VeriSafe AllClear ☐ Foresee Risks
- 22. Autos and Safety ☐ VeriSafe AllClear ☐ Foresee Risks
- 23. Buses, Vans and Safety ☐ VeriSafe AllClear ☐ Foresee Risks
- 24. Two-wheelers and Safety ☐ VeriSafe AllClear ☐ Foresee Risks
- 25. Veritable Metro and On Road Services ☒ VeriSafe AllClear ☐ Foresee Risks
- 26. SMART(er) Neighbourhoods ☐ VeriSafe AllClear ☐ Foresee Risks
- 27. SMART(er) Commuting ☐ VeriSafe AllClear ☐ Foresee Risks
- 28. Independent Living ☐ Via Uid(s) ☐ Via Social Resp...
- 29. To be defined ☐ ☐
- 30. To be defined ☐ ☐

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Save

Cancel

Help

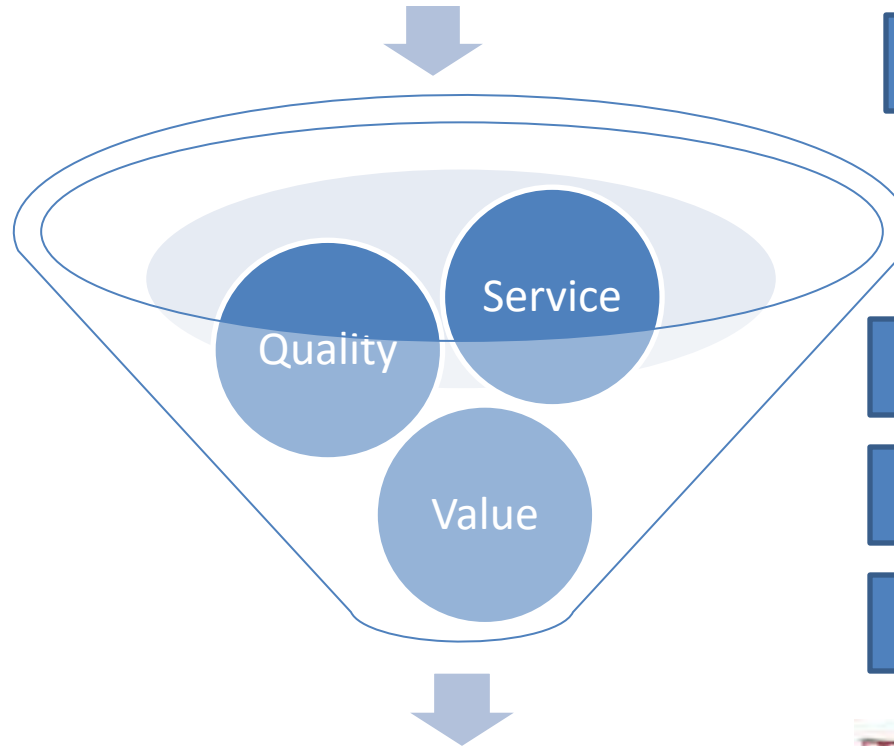
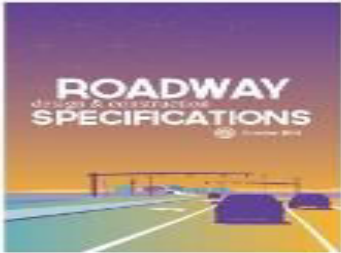
Date started:

Current date:

Time elapsed:

Infra Quality Assurance

IST.1.



For Officials only

Quality Assurance Details

Know Time spent

[View ISO 9004 Report](#)

Safe, Strategic & Triaged Infrastructure



Date started:

Current date:

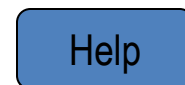
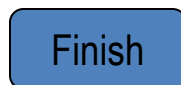
- **Details of Time schedule for assessment**
- 1. Name of assessor or assessing organization:
- 2. Via VeriSafe Uld(s) List

	↑
	↓

- 3. Via Social Responsibility List

	↑
	↓

- 4. Date started:
- 5. Current date:
- 6. Time elapsed:



Date started:

Current date:

- **Details of Time schedule for assessment**
- 7. Number of sessions for current assessment:

	↑
	↓

- 8. Previous schedule of assessments

	↑
	↓

- 9. VeriSafe Checker summary

:

	↑
	↓

Infra Quality Assurance

- The complete details on how reports will be generated using ISO 9004 (Your stake holding to perform with Continual Excellence) will be made available on request or on confirmation of interest to purchase the toolkit for the SMART Infra Systems framework. Your organization can ask for an ISO 9004 based report sample for further decision making.
- **About the toolkit**
- To implement solutions of interest you can ask for the toolkit by contacting the consultant K.S.Venkatram on +919342867666 or by emailing venkataoec@gmail.com.





Connected Emergency Response Centre

- Case study on how occupants of a **residential site** could react when there is a need to evacuate to respond to a **drill or medium priority emergency (like a tremor or prone to collapse scenario due to weak structure hazards)**.
- The occupants do have 24/7 assistance from the security and facility staff . These staff members are trained to react swiftly to help emergency response.
- The ingenuity shown by the site has been appreciated as to how responsive they have been for cooperating or helping one and another. **The need for a Connected Emergency Response Centre has never been reviewed or acknowledged via a Disaster preparedness drill.**
- **On the eventful day,** the occupants are told to evacuate their residences **in a short interval of 5-10 minutes** where they are told they will be guided by security or facility staff on each floor of the blocks at the site. The construction company has planned emergency exits for priority evacuation.
- The planning seems “fit to respond” but the information that no one knows for sure is a list that runs as follows...

Connected Emergency Response Centre

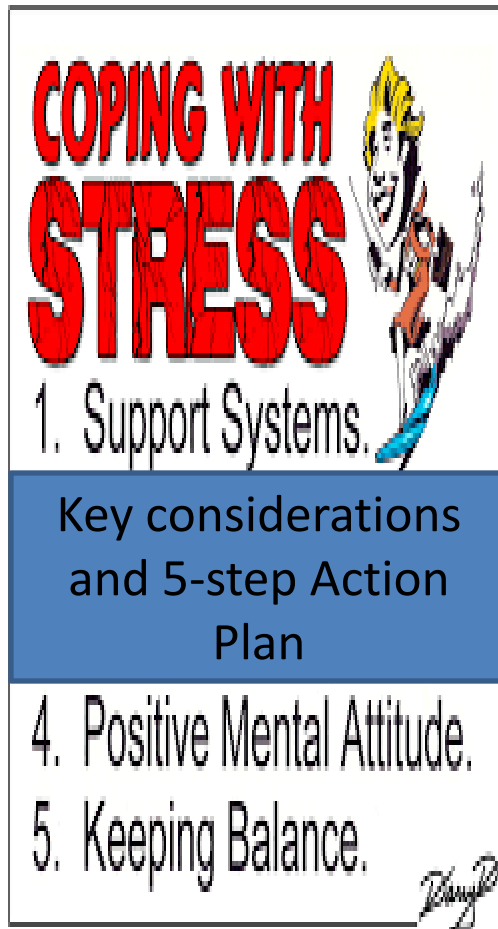
- 1. The **LifeScore codes for occupants or occupant groups from a residence or floor or block, for example their** Physical ability, Mental ability, Acclimatized ability, Liability to respond or mitigate risk, Life changing condition, Life support requirements and the need for Wear-ons.
- 2. The **LifeScore Interlinks for the occupants from a floor or block, where levels of** Preparedness, aptitude for Mitigation and immediate Responsiveness is not the same
- 3. The identification of any **Categorized Emergency Response that should be provided for specific occupants on rushing out or on being** Aged, weak or sick people
- 4. The **identification of any illustration, the lack of ability dynamics in any signage, vocabulary and/or language problem** that may affect these people being evacuated
- 5. The **identification of whether any Emergency response advisories** have been issued and understood by occupants, or whether any **surveillance & alarm or alert specific Emergency response systems** have been deployed and are functional at the time or crucial instants of evacuation.

Connected Emergency Response Centre

- 6. **Whether the occupants have a Companion Card or Badge** to identify them if at all necessary during and after the evacuation or emergency response.
- 7. Whether any **Afflicted Emergency Response practices** have been specifically incorporated for the blind, disabled, handicapped or even people with afflicted mobility or afflicted awareness / response (to help lack of **ability dynamics in any signage**).
- 8. The **nature of emergency exits, or exits or stairways** at that location or floor of the block, building or site. The information as to whether the exit is with Visual detail, Auditory feedback or Tactile feedback to help people rushing towards or out of it. The information as to whether the CERC system for this exit or stairway is Internet Interfaced to help understand reliability or screen CERC diagnostics.
- 9. The **characteristic sensitization that should be ensured or assisting help that should be provided to the afflicted** who cannot rush out an emergency exit, or exit or use a stairway when the occupants cannot be self-organized during the evacuation.
- 10. The **Variance, downtime or Issues Feedback for patterns of response and connected effort to swiftly save or protect life.**

Connected Emergency Response Centre

- **11. The need for special keys or access permissions for certain exits or exit enabling**
- **12. The preparedness or sensitization to deal with stress and difficult to cope emotions**



NEXT Steps: Connected Emergency Response and Trust level based on Activation, Mindset, Method, Metrics and Strategy for Artificial Intelligence /Machine Learning

Vital-mindfulness-pack

Vital-mindfulness-guide

Vital-mindfulness-forum

Connected Emergency Response Centre

- We now look at a scenario where CERC deployments are made to help people use an Emergency Exit / Exit and stairway.
- **The Emergency Exit / Exit has the following inclusions.**

Visual ALARM: CERC logo/Illustration of Exit assistant and Critical Path Method to be used

Auditory ALARM: Audio feedback for Exit assistant and Critical Path Method to be used

Tactile ALARM: Touch based feedback for sense & respond functions based on SLA(s), OLA(s), UC(s) and Machine Learning

- **The associated stairway has the following inclusions.**

Visual ALARM: CERC logo / Illustration of Staircase assistant and CPM to be used

Auditory ALARM: Audio feedback for type of Staircase assistant and CPM to be used

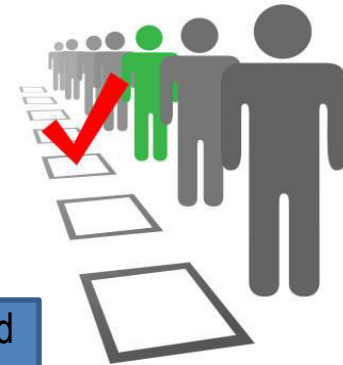
Tactile ALARM: Probing/Contact/Touch based feedback for sense & respond functions based on SLA(s), OLA(s), UC(s) and Machine Learning

Connected Emergency Response Centre

**Connected Art/design/
Allied innovation**



SLA(s), OLA(s), UC(s) and
LifeScores.



The vision for the new CERC deployments is that art and allied innovation can help Emergency Response or Disaster mitigation via new SLA(s), OLA(s), UC(s) and LifeScores.

Till date all creative or pre-decided art forms that appear in products or innovations (to help Emergency Response and/or Disaster management) are dependent on business decisions or some governing body or stakeholder's general opinion. There is no agreement or contract to ensure connected emergency response, where training or machine learning for a LifeScore can evaluate the performance of the Visuals/Audio feedback/Tactile cues to help unique / common Preparedness, Mitigation, Response, Recovery and/or Assistance on an A-Z system basis.

Connected Emergency Response Centre

CERC art/art work/ allied innovation for Connected Emergency Response

For any CERC art/art work/allied innovation, a Service Level refers to Being Accountable for LifeScore related response strategy, 24/7 expectation or experience.

For any CERC art/art work/allied innovation, an Operations Level refers to LifeScore related Machine Learning / Training for 24/7 rated results.

For any CERC art/art work/allied innovation, an Underpinning Contract refers to defining contracts that bind the CERC networks, artists, designers, innovators to design/develop their creations or systems so an agreement is adhered to either at the Service Level or Operational Level.

Connected Emergency Response Centre

As part of integrated / independent Service Level Agreements

The proposed CERC deployment will use a Response-strategist / Made-to-assist-codes to incorporate connected accountability into the framework of CERC assistants (for LifeScore related response strategies, 24/7 expectations or experiences).

Visual illustrations + Response-strategist / Made-to-assist-codes = additions to the A-Z assistants / visual illustration problem solving

Audio feedback + Response-strategist / Made-to-assist-codes = additions to the A-Z assistants / audio feedback problem solving

Tactile feedback + Response-strategist / Made-to-assist-codes = additions to the A-Z assistants / tactile feedback problem solving

.

Connected Emergency Response Centre

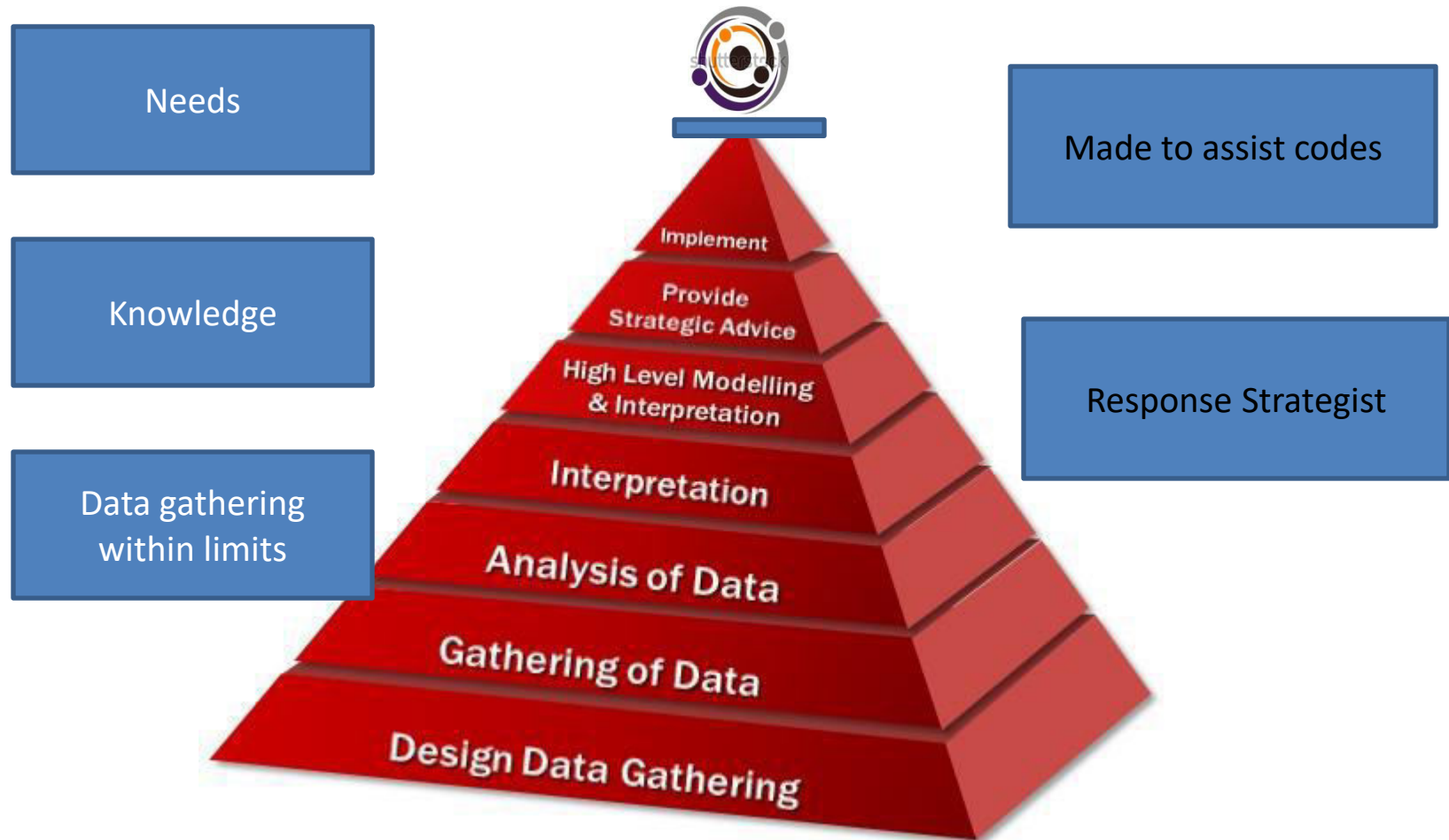
As part of integrated / independent Operations Level Agreements

Visual illustrations + Machine Learning / Training = Creative Adversarial Network solutions or Generative Adversarial Network solutions or Convolutional Network solutions for Bio-centrism

Audio feedbacks + Machine Learning / Training = Creative Adversarial Network solutions or Generative Adversarial Network solutions or Convolutional Network solutions for Bio-centrism

Tactile feedbacks + Machine Learning / Training = Creative Adversarial Network solutions or Generative Adversarial Network solutions or Convolutional Network solutions for Bio-centrism

Connected Emergency Response Centre

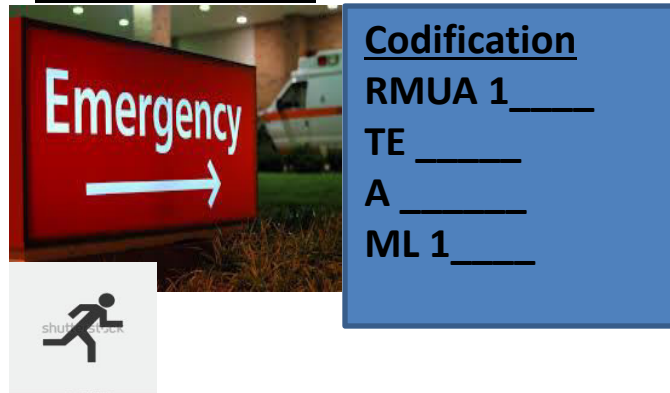


Stepping beyond limits for Connected Emergency Response via art/design/allied innovation

Connected Emergency Response Centre

Visual CERC logo/illustration for assistant

Exit assistant



The initial step is to codify the Visual

Connected Emergency Response Centre

As part of integrated / independent Service Level Agreements

The proposed CERC deployment will use a Response-strategist / Made-to-assist-codes to incorporate connected accountability (for LifeScore related response strategies, 24/7 expectations or experiences).

Visual illustrations + Response-strategist / Made-to-assist-codes = additions to the assistant / visual illustration problem solving

As part of integrated / independent Operations Level Agreements

Visual illustrations + Machine Learning / Training = Creative Adversarial Network solutions or Generative Adversarial Network solutions or Convolutional Network solutions for Bio-centrism

Connected Emergency Response Centre

As part of Social Accountability and problem solving

The visual illustration for the running man (where the term man is not gender specific) will be editioned to support a Virtual Endpoint Principle where factors of Activation, Mindset, Method, Metrics and Strategy for Artificial Intelligence will decide the connected problem solving and response strategy.

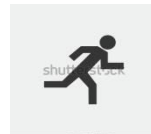
The Emergency Exit / Exit assistant will need to include cues/illustrations for

RMUA 1_____

TE _____

A _____

ML 1_____



Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

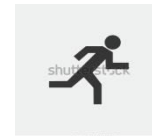
The Prerequisite actualized Made to assist code for the Emergency exit / exit assistant will RMUA 1_____

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the visual illustration will be codified for

1. Pre-requisites actualized for the accentuation

- [a] Useful for a particular age group (RMUA 000)
- [b] Useful for any age group (RMUA 001)
- [c] Has self-help information (RMUA 010)
- [d] Has added-help information for old, sick or differently able (RMUA 100)

More commonly this assistant will need to be aggregated and codified as RMUA 1111



Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

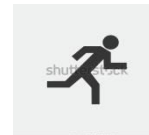
By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the visual illustration deployed will be accentuated to include

1. Pre-requisites actualized

[a] Useful for a particular age group



[b] Useful for any age group



[c] Has self-help information



[d] Has added-help information for old, sick or differently able



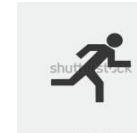
Connected Emergency Response Centre

The Thinking expected Made to assist code for the Emergency exit / exit assistant will TE _____

2. Thinking expected for the accentuation

- [a] LifeScore Sensitized thinking expected (TE 0001)
- [b] Remedial thinking expected (TE 0010)
- [c] Self-organization for emergency response expected (TE 0100)
- [d] Is Internet Interfaced (TE 1000)

More commonly this assistant will need to be aggregated and codified as TE 1111



Vital-mindfulness-
guide

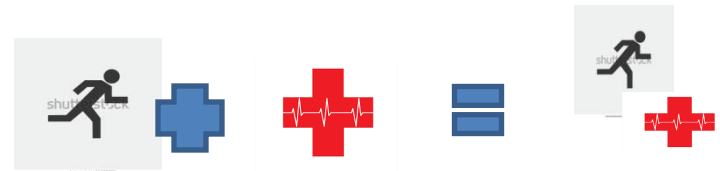
Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the visual illustration deployed will be accentuated to include

2. Thinking expected

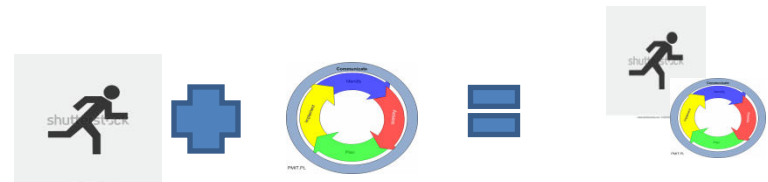
[a] LifeScore Sensitized thinking expected



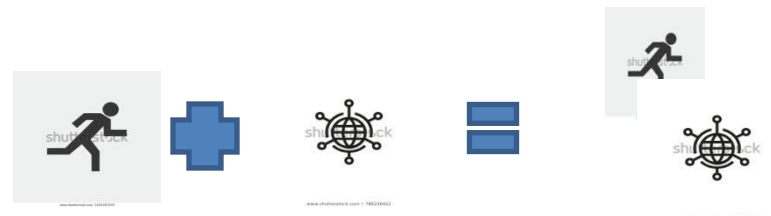
[b] Remedial thinking expected



[c] Self-organization for emergency response expected



[d] Is Internet Interfaced



Connected Emergency Response Centre

Example for a Visual CERC deployment for an Exit assistant



The running man illustration will have associated accentuated illustrations that occupants will need to be instructed about . The meaning for this accentuation is that the exit is Useful for a particular age group, has self-help information that can be reviewed as possible, has added-help information for old, sick or differently able, the exit is sensitive to the ability of the occupants & has CERC incorporation, the exit expects Self-organization interaction to address issues when people rush, the exit is Internet integrated to sense & respond via connectivity/addon(s) to help occupants/security/facility staff/CERC staff utilize the exit in a planned way during a drill, evacuation or connected emergency response.

Connected Emergency Response Centre

The Application Made to assist code for the Emergency exit / exit assistant will A _____

3. Application for the accentuation

- [a] Preparedness (A 00001)
- [b] Mitigation (A 00010)
- [c] Response (A 00100)
- [d] Recovery (A 01000)
- [e] CERC (A 10000)

More commonly this assistant will need to be aggregated and codified as A 11111



Vital-mindfulness-forum

Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the vital mindfulness forum will include details for

3. Application

[a] Preparedness



[b] Mitigation



[c] Response



[d] Recovery



[e] CERC



Connected Emergency Response Centre



Vital-mindfulness-forum

The Machine Learning Made to assist code for the Emergency exit / exit assistant will ML 1_____

4. Machine Learning for the accentuation

- [a] Creative Adversarial Network solutions for Bio-centrism (ML 0001)
- [b] Generative Adversarial Network solutions for Bio-centrism (ML 0010)
- [c] Convolutional Network solutions for Bio-centrism (ML 0100)
- [d] Future CERC solutions for Bio-centrism (ML 1000)

More commonly this assistant will need to be aggregated and codified as ML 10011

Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences the vital mindfulness forum will include details for

4. Machine Learning for the accentuation

[a] Creative Adversial Network solutions



[b] Generative Adversial Network solutions



[c] Convolutional Network solutions



[d] Future CERC solutions



Connected Emergency Response Centre

Audio feedback CERC logo/illustration for assistant

Exit assistant



The initial step is to codify the Audio

Connected Emergency Response Centre

As part of Social Accountability and problem solving

The audio feedback for the running man (where the term man is not gender specific) will be editioned to support a Virtual Endpoint Principle where factors of Activation, Mindset, Method, Metrics and Strategy for Artificial Intelligence will decide the connected problem solving and response strategy.

The Emergency Exit / Exit assistant will need to include cues/audio feedback for

S 1_____

D 1_____

A 1_____

ML 1_____



Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

The Audio feedback type Made to assist code for the Emergency exit / exit assistant will AF 1_____

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the audio feedback stration will be codified for

1. Pre-requisites actualized for the accentuation

[a] Sirens (AF 0001)

[b] Alarms (AF 0010)

[c] Audio playback (AF 0100)



Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the audio feedback deployed will be accentuated to include

1. Pre-requisites like right type, right time, right guidance

[a] Sirens



[b] Alarms



[c] Audio playback



Connected Emergency Response Centre



The Distance applicable_Made to assist code for the Emergency exit / exit assistant will D _____

2. Distance applicable for the accentuation

- [a] Sounded off at the assistant/assistant-innovation (D 00001)
- [b] Sounded off at required places via Blue tooth connectivity (D 00010)
- [c] Sounded off at required places via Wifi connectivity (D 00100)
- [d] Sounded off at required places via Sound systems (D 01000)
- [e] Sounded off at required places via Internet integrated appliances (D 10000)

Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the audio feedback deployed will be accentuated to include

1. Pre-requisites like reasonable distance or connected locations

[a] Sounded off at the assistant/assistant-innovation



[b] Sounded off at required places via Blue tooth



[c] Sounded off at required places via Wifi



[d] Sounded off at required places via Sound systems



[e] Sounded off at required places via Internet integrated appliances



Connected Emergency Response Centre

Example for a Audio Feedback CERC deployment for an Exit assistant



The running man illustration will have associated accentuated illustrations that occupants will need to be instructed about. The meaning for this audio feedback accentuation for the exit is that it has a siren, it has audio playback that can be reviewed as possible, it has sound systems sounding off the siren at different locations, the exit is Internet integrated to sense & respond via connectivity/addon(s) to help occupants/security/facility staff/CERC staff utilize the exit in a planned way during a drill, evacuation or connected emergency response.

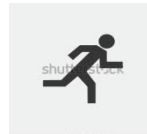
Connected Emergency Response Centre

The Application Made to assist code for the Emergency exit / exit assistant will A _____

3. Application for the accentuation

- [a] Preparedness (A 00001)
- [b] Mitigation (A 00010)
- [c] Response (A 00100)
- [d] Recovery (A 01000)
- [e] CERC (A 10000)

More commonly this assistant will need to be aggregated and codified as A 11111



Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the vital mindfulness forum will include details for

3. Application

[a] Preparedness



[b] Mitigation



[c] Response



[d] Recovery



[e] CERC



Connected Emergency Response Centre

The Machine Learning Made to assist code for the Emergency exit / exit assistant will ML 1_____

4. Machine Learning for the accentuation

- [a] Creative Adversial Network solutions for Bio-centrism (ML 0001)
- [b] Generative Adversial Network solutions for Bio-centrism (ML 0010)
- [c] Convolutional Network solutions for Bio-centrism (ML 0100)
- [d] Future CERC solutions for Bio-centrism (ML 1000)

More commonly this assistant will need to be aggregated and codified as ML 10011



Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences the vital mindfulness forum will include details for

4. Machine Learning for the accentuation

[a] Creative Adversial Network solutions



[b] Generative Adversial Network solutions



[c] Convolutional Network solutions



[d] Future CERC solutions



Connected Emergency Response Centre

Tactile feedback CERC logo/illustration for assistant

Exit assistant



The image shows a red emergency exit sign with the word 'Emergency' in white and a white arrow pointing right. Below the sign are two icons: a black silhouette of a person running (shutterstock) and a circular logo with orange and purple elements (shutterstock). A blue rectangular bar is positioned below the icons.

<u>Codification</u>	
T 1	_____
P 1	_____
D 1	_____
A 1	_____
ML 1	_____

The initial step is to codify the Tactile feedback

Connected Emergency Response Centre

As part of Social Accountability and problem solving

The tactile feedback for the running man (where the term man is not gender specific) will be editioned to support a Virtual Endpoint Principle where factors of Activation, Mindset, Method, Metrics and Strategy for Artificial Intelligence will decide the connected problem solving and response strategy.

The Emergency Exit / Exit assistant will need to include cues/audio feedback for

T 1 _____

F 1 _____

D 1 _____

A 1 _____

ML 1 _____



Connected Emergency Response Centre

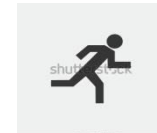
Solution finding via a Response-strategist / Made-to-assist-codes

The Touch feedback type Made to assist code for the Emergency exit / exit assistant will T 1_____

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the audio feedback stration will be codified for

1. Pre-requisites actualized for the accentuation

- [a] **Realistic Touch** enabled feedback (T 00001)
- [b] **Accidental Touch** enabled feedback (T 00010)
- [c] **Probing Touch** enabled feedback (T 00100)
- [d] **Identity-Scanned Touch** enabled feedback (T 01000)
- [e] **Internet-integrated Trigger** enabled feedback (T 10000)



Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

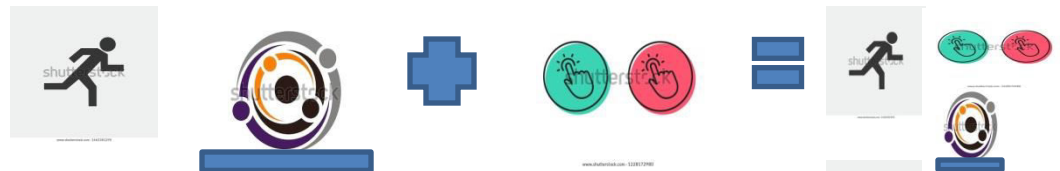
By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the touch feedback deployed will be accentuated to include

1. Pre-requisites like right type, right feel, right reinforcing, right guidance

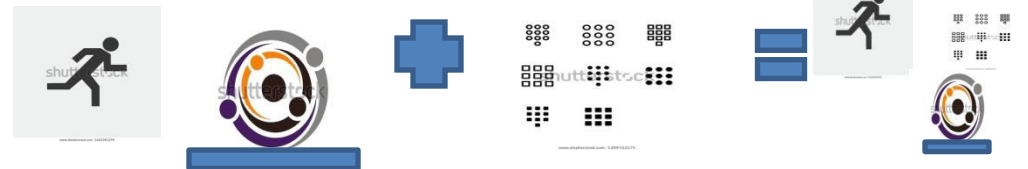
[a] **Realistic Touch** enabled feedback



[b] **Accidental Touch** enabled feedback
(instantaneous response)



[c] **Probing Touch** enabled
(response for the visually impaired/
debilitated/sick)



Connected Emergency Response Centre

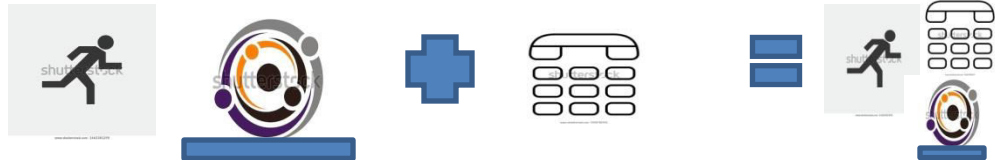
Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the touch feedback deployed will be accentuated to include

1. Pre-requisites like right type, right feel, right reinforcing, right guidance

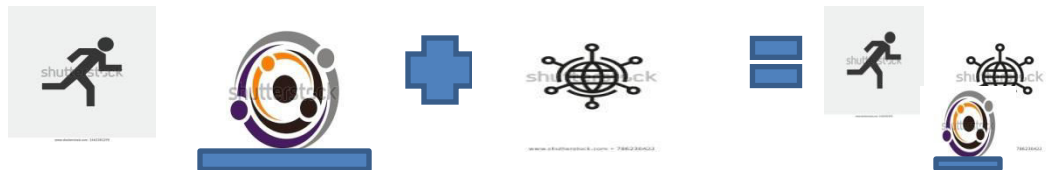
[d] Identity-Scanned Touch

enabled feedback (for occupant code/
Flat number/block-floor number/
Block number/ building number)



[e] Internet-integrated Trigger

enabled feedback



Connected Emergency Response Centre



The Feedback Made to assist code for the Emergency exit / exit assistant will F 1_____

2. Feedback applicable for the accentuation

- [a] Feedback sent to CERC (F 0001)
- [b] Feedback is broadcasted to CERC members (F 0010)
- [c] Feedback sent to specific CERC Account (F 0100)
- [d] Feedback sent to SA8000-CERC Account (F 1000)

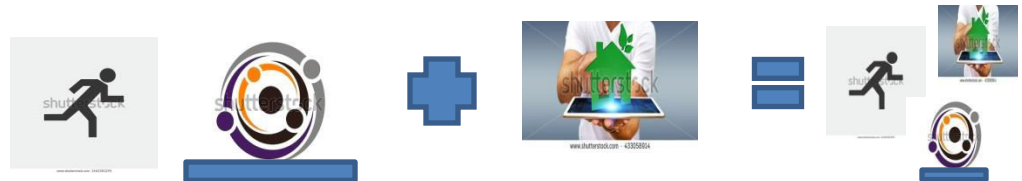
Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the touch feedback deployed will be accentuated to include

1. Pre-requisites like right response audience

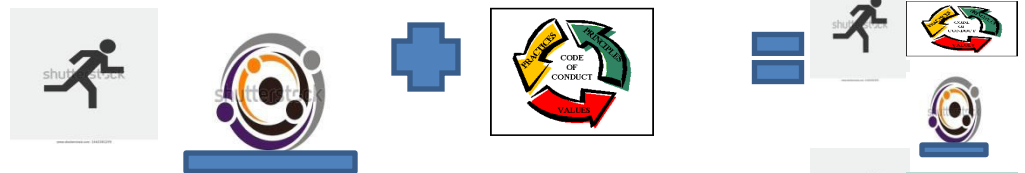
[a] Feedback to CERC



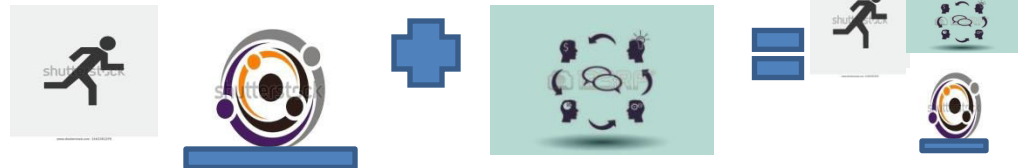
[b] Feedback to CERC members



[c] Feedback to specific CERC Account



[d] Feedback to SA8000-CERC Account



Connected Emergency Response Centre



The Duration Made to assist code for the Emergency exit / exit assistant will D 1_____

3. Duration applicable for the accentuation

- [a] Short Term (D 0000)
- [b] Long Term (D 0010)
- [c] Till Acknowledged (D 0100)
- [d] Till Response (D 1000)

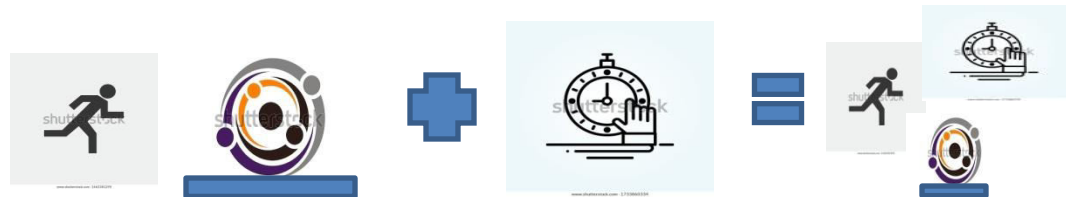
Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

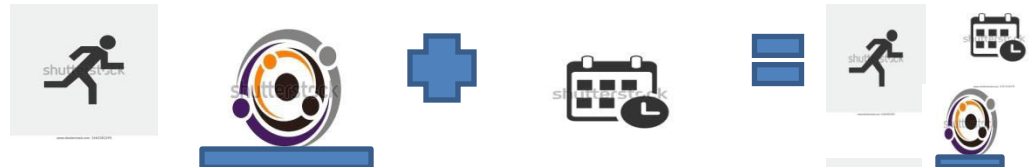
By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the touch feedback deployed will be accentuated to include

1. Pre-requisites like right duration for sense & respond action planning

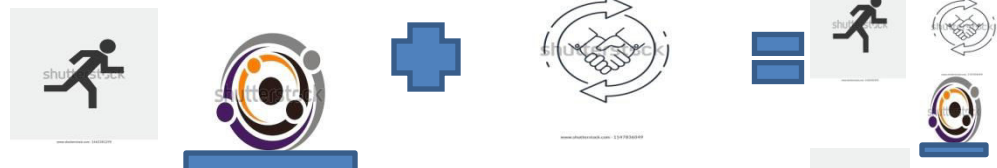
[a] Short Term



[b] Long Term



[c] Till Acknowledged



[d] Till Response



Connected Emergency Response Centre

Example for a Tactile Feedback CERC deployment for an Exit assistant



The running man illustration will have associated accentuated illustrations that occupants will need to be instructed about. The meaning for this tactile feedback accentuation for the exit is that it has probing touch enabled feedback, alternatively it has identity enabled feedback that can be reviewed as possible, it sends a signal to the CERC department, the signal is sent till a responder's acknowledgment is communicated to the virtual endpoint, or the signal is sent till a CERC response is achieved at the virtual endpoint, the exit is Internet integrated to sense & respond via connectivity/addon(s) to help occupants/security/facility staff/CERC staff utilize the exit in a planned way during a drill, evacuation or connected emergency response.

Connected Emergency Response Centre

The Application Made to assist code for the Emergency exit / exit assistant will A _____

4. Application for the accentuation

- [a] Preparedness (A 00001)
- [b] Mitigation (A 00010)
- [c] Response (A 00100)
- [d] Recovery (A 01000)
- [e] CERC (A 10000)

More commonly this assistant will need to be aggregated and codified as A 11111



Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences, the vital mindfulness forum will include details for

3. Application

[a] Preparedness



[b] Mitigation



[c] Response



[d] Recovery



[e] CERC



Connected Emergency Response Centre



The Machine Learning Made to assist code for the Emergency exit / exit assistant will ML 1_____

5. Machine Learning for the accentuation

- [a] Creative Adversial Network solutions for Bio-centrism (ML 0001)
- [b] Generative Adversial Network solutions for Bio-centrism (ML 0010)
- [c] Convolutional Network solutions for Bio-centrism (ML 0100)
- [d] Future CERC solutions for Bio-centrism (ML 1000)

More commonly this assistant will need to be aggregated and codified as ML 10011

Connected Emergency Response Centre

Solution finding via a Response-strategist / Made-to-assist-codes

By needing to address LifeScore related problem solving and 24/7 expectations or experiences the vital mindfulness forum will include details for

4. Machine Learning for the accentuation

[a] Creative Adversial Network solutions



[b] Generative Adversial Network solutions



[c] Convolutional Network solutions



[d] Future CERC solutions



Connected Emergency Response Centre

SLA(s), OLA(s), UC(s), LifeScores

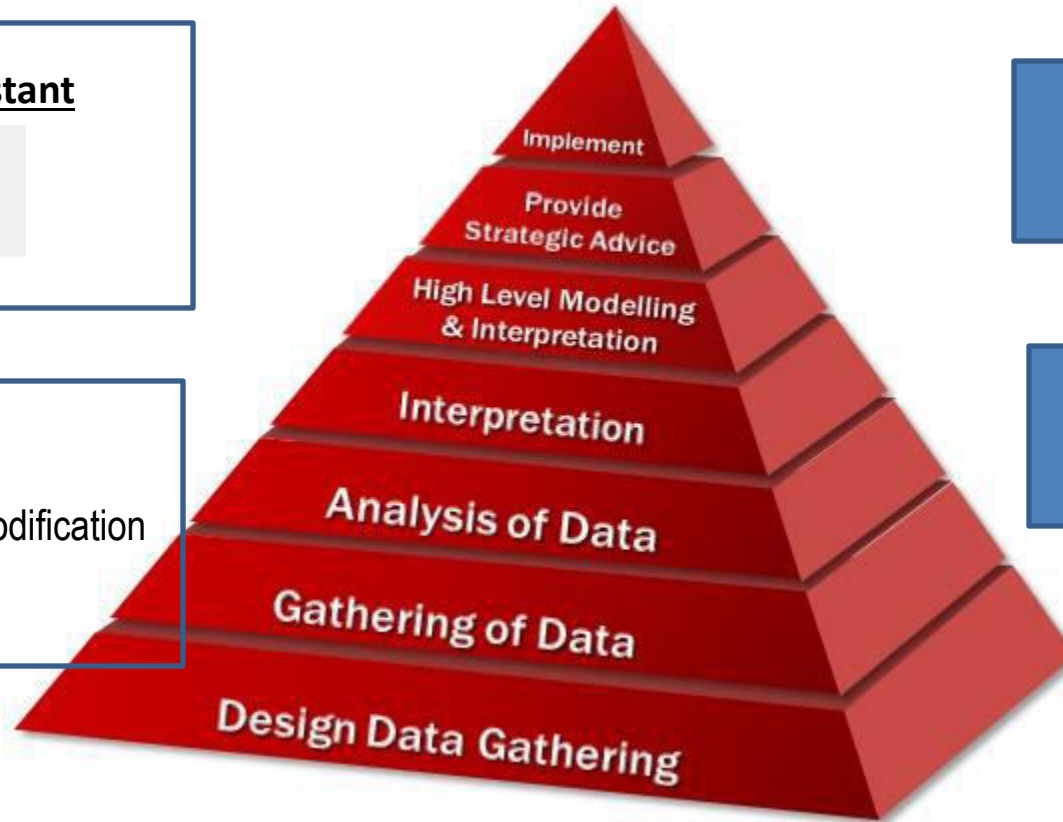
Exit assistant



Made to assist codes

Response Strategist

Green Globe Codification



Connected Emergency Response via art/design/allied innovation

Connected Emergency Response Centre

- **Problem solving for Copyright, Intellectual property or Secure art/art forms for the exit assistant:**

The CERC-art will also have a specialized CERC-art gallery where art / art forms / designs / allied innovations that are for Connected Emergency Response will be showcased.



- The CERC-art gallery will either include or enable inclusion of art/art forms/ designs for the exit assistant. A designer/artist/ innovator may access the digitized version of the art/art form/ design that needs to be versioned/ improved/ customized via Machine learning and Training..
- On improvement/customization for the site and its response framework, the digitized version will be uploaded into the CERC-art gallery, where a branch or version will be created for the original or present version.

The **need to translate text** that may be independently included or embedded in the art/ art form will need to be dealt with, either by a CERC team of translators or CERC auto-translator insights. The problem solving is still work in progress.

Connected Emergency Response Centre

- **SLA(s), OLA(s), UC(s) for the art/art forms for the exit assistant:**
- For the exit assistant's CERC art/art work/design/ allied innovation, a Service Level refers to Being Accountable via improvement/customization/responsiveness for LifeScore related response strategy, 24/7 expectation or experience.
- For the exit assistant's CERC art/art work/ design/ allied innovation, an Operations Level refers to improvement/customization/responsiveness via LifeScore related Machine Learning / Training for 24/7 rated results.
- For the exit assistant's CERC art/art work/ design/ allied innovation, an Underpinning Contract refers to defining contracts that bind the CERC networks, artists, designers, innovators to design/develop their creations or systems so an agreement is adhered to either at the Service Level or Operational Level.
- As part of any **SLA(s), OLA(s), UC(s) for the art/art forms for the exit assistant**, on improvement/customization for the site and its response framework, the digitized version will be uploaded into the CERC-art gallery, where a branch or version will be created for the original or present version.

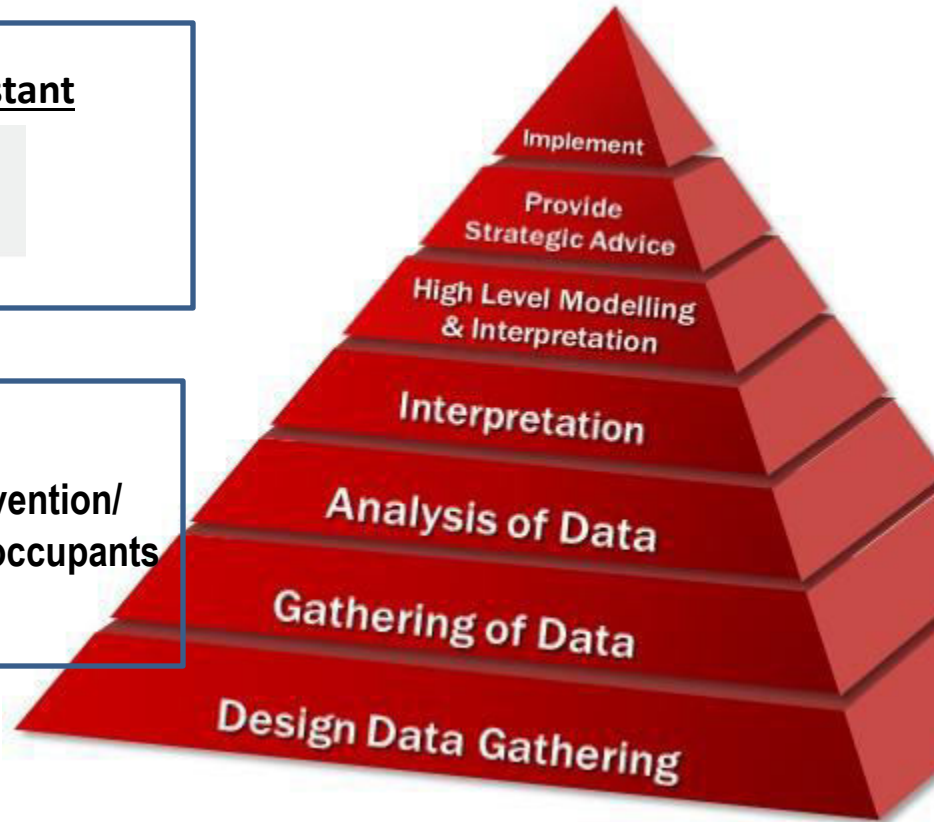
Connected Emergency Response Centre

SLA(s), OLA(s), UC(s), LifeScores

Exit assistant



**SMART intervention/
interaction for occupants**



Emergency Management

Behavioral Health

Public Health

First Responders

Ambulatory Care

Critical Path Method

Connected Emergency Response Centre

- **Critical Path Method for the exit assistant**
- The Critical Path Method For the exit assistant will include factors related to
 - 1. Emergency Management
 - 2. Behavioral Health
 - 3. Public Health
 - 4. First Responders
 - 5. Ambulatory Care
- **For Emergency Management**
 - (a) The exit assistant will have a **Connected Emergency Response drill or evacuation plan**
 - (b) The Connected Emergency Response drill or evacuation plan will have a **specific solution for a priority associated with the emergency.**
 - (c) The Connected Emergency Response Centre will **deploy Visual/Audio/Tactile cues to help emergency response.**
 - (d) The exit assistant will ensure **availability of special keys or access permissions for certain exits or exit enabling as and when required on a site.**



Connected Emergency Response Centre

- For Behavioral Health
- (a) The exit assistant **will include LifeScore codes for occupants or occupant groups from a residence or floor or block**, for example their Physical ability, Mental ability, Acclimatized ability, Liability to respond or mitigate risk, Life changing condition, Life support requirements and the need for Wear-ons.
- (b) The exit assistant will **include Emergency response advisories to be issued and understood by occupants**
- (c) The exit assistant will **include Afflicted Emergency Response practices to be specifically incorporated for the blind, disabled, handicapped or even people with afflicted mobility or afflicted awareness / response (to mutually respect their needs irrespective of whether there is a lack of ability-dynamics in the signage)**

Connected Emergency Response Centre

- **For Public Health**
- (a) The exit assistant will **ensure no illustration, no vital ability-dynamics is missing in signage, no vocabulary and/or no language problem can affect occupants** during an emergency response.
- (b) The exit assistant **will design solutions based on LifeScore Interlinks for the occupants from a floor or block, where levels of Preparedness, aptitude for Mitigation and immediate Responsiveness is not the same.**
- (c) The exit assistant will **acclimatize occupants about the nature of emergency exits, or exits or stairways at that location or floor of the block, building or site.**
- (d) The exit assistant **will include characteristic sensitization to help or assist the afflicted who cannot rush out an emergency exit, or exit nor use a stairway conveniently when the occupants cannot be self-organized during the evacuation.**

Connected Emergency Response Centre

- **For First Responders**
- (a) The exit assistant **will recommend occupants have a Companion Card or Badge** to identify them if at all necessary during and after the evacuation or emergency response.
- (b) The exit assistant will **ensure no illustration, no vocabulary and/or no language problem can affect first responders during an emergency response.**
- (c) The exit assistant will **design solutions to help first responders based on LifeScore Interlinks for the occupants from a floor or block**, where levels of Preparedness, aptitude for Mitigation and immediate Responsiveness is not the same.
- (d) The exit assistant will **acclimatize first responders about the nature of emergency exits, or exits or stairways at that location or floor of the block, building or site.**
- (e) The exit assistant **will screen / report Variance, Downtime or Issues to help first responders use patterns of response and connected effort to swiftly save or protect life.**

Connected Emergency Response Centre

- **For Ambulatory Care**
- (a) The exit assistant **will recommend occupants have a Companion Card or Badge** to identify them if at all necessary during and after the evacuation or emergency response.
- (b) The exit assistant **will recommend type of Categorized Emergency Response that should be available for specific occupants** on rushing out or on being Aged, weak or sick people
- (c) The exit assistant **will help preparedness or sensitization to deal with stress and difficult to cope up with emotions prior to any priority based evacuation, or during an emergency response or before the arrival of ambulatory care.**

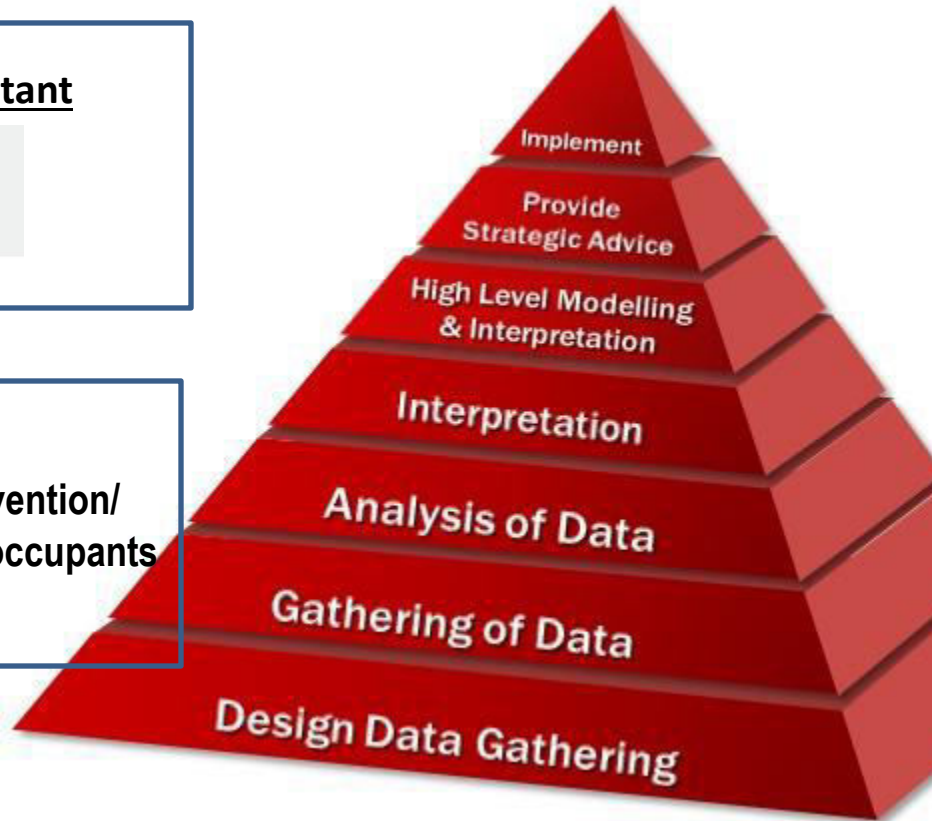
Connected Emergency Response Centre

SLA(s), OLA(s), UC(s), LifeScores

Exit assistant



**SMART intervention/
interaction for occupants**



Emergency Management

Behavioral Health

Public Health

First Responders

Ambulatory Care

Strategy for Artificial Intelligence /Machine Learning

Connected Emergency Response Centre

Strategy for Artificial Intelligence /Machine Learning

- We know of Art helping 360 degree reality, Virtual reality, Extended reality and Augmented reality, but via this proposal we expect to use Art and AI/ML to add Green Globe responsiveness.
- A new **CERC Social Accountability standard** will help design-bid-build, design-build or construct buildings, facilities or sites with sense and respond solutions for CCMA influencers and Connected Emergency Response.
- The standard will design a new CERC-labeling scheme to be designed, developed and improved by a **CERC-labeling network** that can seek advice, consult with stakeholders or even use site specific surveys/feedback/machine learning to recognize the requirements being experienced during emergency response or evacuation at sites.
- The **CERC-labeling scheme will be criteria based** such as whether the CERC-art/artwork/art form/allied innovation is a Visual ALARM, or an Auditory ALARM, or a Tactile ALARM and Specific awareness & response based ALARM.
- The CERC-labeling scheme will also identify the scope of problem solving that is whether the label is for an **Independent problem solving**, or **National level problem solving**, or **International level problem solving** or even **Multi-national level problem solving**.

Connected Emergency Response Centre

Strategy for Artificial Intelligence /Machine Learning

- **The CERC- labeling scheme** for this newer CERC-art will also associate a CERC-logo that signifies the product/art/art form/artwork/allied innovation is for Connected Emergency Response.
- **From the SAAI Factory perspective, the CERC-logo will identify a product for a site's Biocentrism** for Sense and Respond experiences to save & protect life at the time of a threat, disaster or accelerated risk.
- The new Sense and Respond experience will add **Real time, Interactive, Process oriented, Performance and Environment** “Green Globe intelligence, learning and acknowledgment” to a site.
- The product will serve as an interlink of profiles, showcases & critical thinking for problem solving, reasoning and evaluating of a site's vulnerability in disasters.

Connected Emergency Response Centre

Strategy for Artificial Intelligence /Machine Learning

- **The new Sense and Respond experience for a Critical Path Method for the exit assistant**
- We have stated that the Critical Path Method For the exit assistant will include factors related to
 - 1. Emergency Management
 - 2. Behavioral Health
 - 3. Public Health
 - 4. First Responders
 - 5. Ambulatory Care
- The new Sense and Respond experience will need to add **Real time, Interactive, Process oriented, Performance and Environment** “Green Globe intelligence, learning and acknowledgment” to each factor of the exit assistant.
- The new Sense and Respond experience will need to identify the “trainable qualified-product-experiences” and the “trainable qualified-product-information” for the assistant.

Connected Emergency Response Centre

Strategy for Artificial Intelligence /Machine Learning

- For this example, we infer that the following are the trainable qualified product information, that is, ability to

Train the Sense & Respond experience based on the Real Time Score for

[A] Guidelines for Connected Emergency Response

[1] Relevant [2] Good [3] Adverse impact [4] Not applicable

[B] Impact reduction for Connected Emergency Response

[1] Relevant [2] Good [3] Adverse impact [4] Not applicable

[C] Positive health and wellness

[1] Relevant [2] Good [3] Adverse impact [4] Not applicable

[D] Better chances of survival for Connected Emergency Response

[1] Relevant [2] Good [3] Adverse impact [4] Not applicable

Connected Emergency Response Centre

Strategy for Artificial Intelligence /Machine Learning

- For this example, we next infer that the following are the trainable qualified product information, that is, ability to
Train the Sense & Respond experience based on Interactive factors that help
 - [A] Remembering the Sense & Respond Intent/System for CERC**
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
 - [B] Making sense of the Sense & Respond Intent/System for CERC**
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
 - [C] Understanding the Sense & Respond Intent/System for CERC**
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
 - [D] Application of the Sense & Respond Intent/System for CERC**
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
- The abbreviation CERC stands for **Connected Emergency Response**

Connected Emergency Response Centre

Strategy for Artificial Intelligence /Machine Learning

- For this example, we additionally infer that the following are the trainable qualified product information that is

Train the Sense & Respond experience based on Process-oriented factors that help the

[A] Anytime need to use this assistant / innovation for CERC

[1] Relevant [2] Good [3] Adverse impact [4] Not applicable

[B] Anywhere use of this assistant / innovation for CERC

[1] Relevant [2] Good [3] Adverse impact [4] Not applicable

[C] Anyhow use of this assistant / innovation for CERC

[1] Relevant [2] Good [3] Adverse impact [4] Not applicable

[D] Zero-unplanned effort use of this assistant / innovation for CERC

[1] Relevant [2] Good [3] Adverse impact [4] Not applicable

- The abbreviation CERC stands for **Connected Emergency Response**

Connected Emergency Response Centre

Strategy for Artificial Intelligence /Machine Learning

- For this example, we further infer that the following are the trainable qualified product information, that is, ability to
Train the Sense & Respond experience based on **Performance factors that help the**
[A] Social Performance / Trust Level for the Occupants
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
[B] Social Performance / Trust Level for the CERC team
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
[C] Social Performance / Trust Level for First Responders / Special-assistance Responders
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
[D] Social Performance / Trust Level for Construction & Building experts / associated governing authorities
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
- The abbreviation CERC stands for **Connected Emergency Response**

Connected Emergency Response Centre

Strategy for Artificial Intelligence /Machine Learning

- For this example, we conclude / summarize that the following are the trainable qualified product information, that is, ability to
Train the Sense & Respond experience based on **Environment factors that help**
[A] Site specific A-Z Portfolio for CERC
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
[B] Timeline for responsiveness and Deployment for CERC
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
[C] Strategy for sensors, systems, processes, services or remedial steps for CERC
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
[D] Develop responsiveness via a Design-Bid-Build option, or a Design-Build option or a Construction Management option
[1] Relevant [2] Good [3] Adverse impact [4] Not applicable
- The abbreviation CERC stands for **Connected Emergency Response**

Connected Emergency Response Centre



Machine Learning for the Bio-centrism for Connected Emergency Response



Emergency Management



Behavioral Health



People Health



First Responders



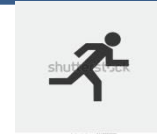
Ambulatory Care



Sense & Respond influencers

Connected Emergency Response Centre

Machine Learning for the Bio-centrism for Connected Emergency Response

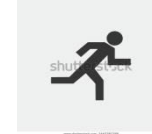


The CERC **biocentrism expected** to matter for any assistant are it's Sense & Respond Levels for **Emergency Management, Behavioral Health, Public Health, First Responders and Ambulatory Care**. The **Sense & Respond influencers** for any assistant (art/art form/art work/allied innovation) are expected to include

1. Service Level Agreements (SLA(s))
2. Operations Level Agreements (OLA(s))
3. Underpinning Contracts (UC(s))
4. LifeScore for occupants/floor/block/building/site
5. Machine Learning / Training

The intent is to decide on a weighted score for all Sense & Respond ratings, where the score ranges from (-1) for Adverse Impact to (1) for Good, where the in-between values of (0) for Not Applicable and (0.5) for Relevant are expected to help bio-centrism. (-1) is expected to mean that the LifeScore dynamics of the ability of occupants have not been addressed in the CERC biocentrism.

Connected Emergency Response Centre



Machine Learning for the Bio-centrism for Connected Emergency Response

LifeScore dynamics of the ability of occupants could relate to “not being to run steadily or fast, not being able to use, assist or clasp with hands firmly, not being able to walk down steps/not being able to climb steps easily, not being well to accomplish emergency response, needing to be assisted in mobility, being pregnant, needing to carry a baby, or child or known aged person”. We term this as **Equity Level in Biocentrism**.

The lack of Biocentrism in the Emergency Exit/Exit/associated stairway could be addressed via LifeScore codification, a Response strategist and Made-to-assist codes that need to be incorporated in the assistant for these pre-requisites and Equity level.

Connected Emergency Response Centre



Machine Learning for the Bio-centrism for Connected Emergency Response

[a] Creative Adversial Network solutions (with Immersive & Perceptive Time Series Forecasting) **for the Real Time Score, Interactive factors**

[b] Generative Adversial Network solutions (with Objective Reality Recommendation engine) **for the Process-oriented factors, Performance factors**

[c] Convolutional Network solutions (with Strategic Connect Feature extraction) **for Green Globe responsiveness**

[d] Future CERC solutions (with Classification or Supervised Learning) **for the Environment factors**

Connected Emergency Response Centre



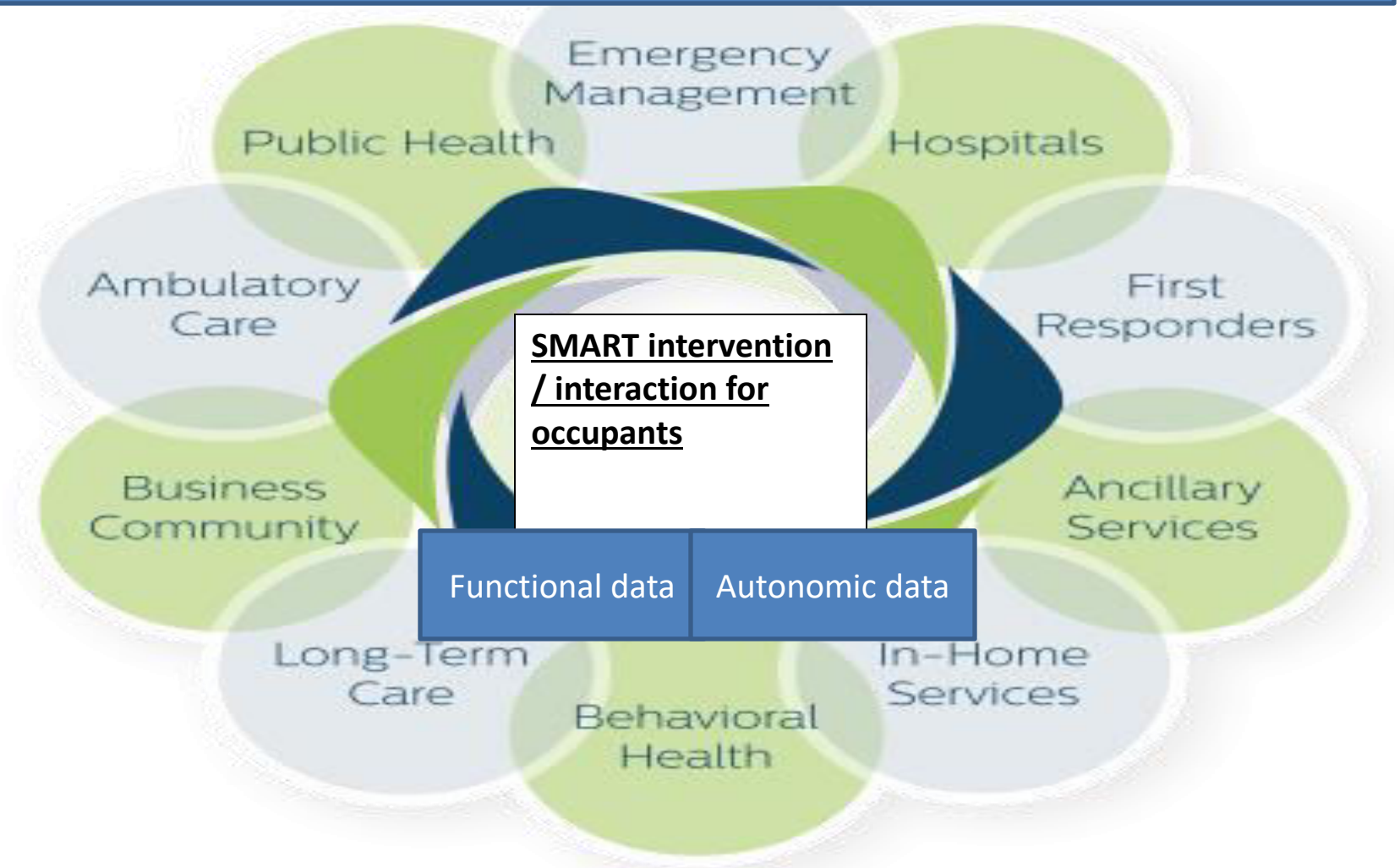
Machine Learning for the Bio-centrism for Connected Emergency Response

Work in progress....



Connected Emergency Response Centre

You can call us on + 91 9342867666 or email us at venkataoec@gmail.com for more details



Training departments for CER

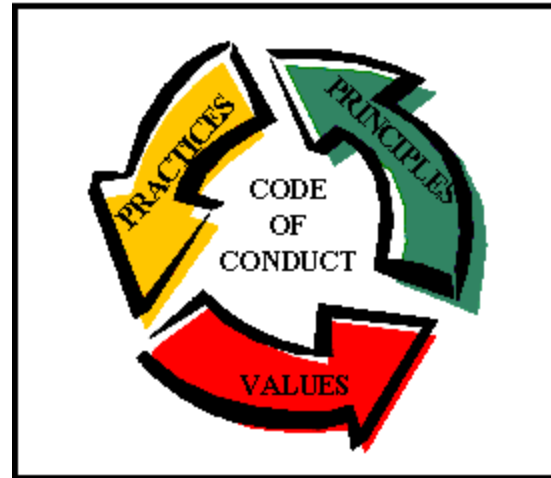


Connected Emergency
Response (CER)



Subsistence and
Emergence

Sense unification



Global Field Balancing



**SOCIAL
ACCOUNTABILITY**

Team AOEC

Vision: Help Risk Reduction via Responsiveness



Milling for the Autonomic Periphery – the principle refers to how the unreasoning of the Earth itself can add to the unreasoning of man (his or her heart) to then impact the generations to come. It is more of an interest to know that the Earth has an autonomic periphery that is a life enabling environment for the generations to come, but due to man's perception bias in areas of development and growth, the life enabling environment is deteriorating or changing in its omnipotent qualities.

To achieve more omni potency, man must involve himself or herself in collective endeavor to develop more Quality of Life Advancement and Conscious role play.

Climate Change Challenges in 2020

Air Pollution
Monitoring

Site Health Monitoring

Weather Analytics and
Monitoring

Water Body* Hazard
and Pollution
Monitoring

Hurricane / Tornado/
Floods/ Cyclone Risk
Mitigation

Infrastructure
Monitoring and Risk
Mitigation

Health Issues Monitoring
& Transmission Dynamics

Earthquake or Tremor
Risk Mitigation

Nationalism, Sustainable
Development and Growth

Forest Fire Detection
and Risk Mitigation

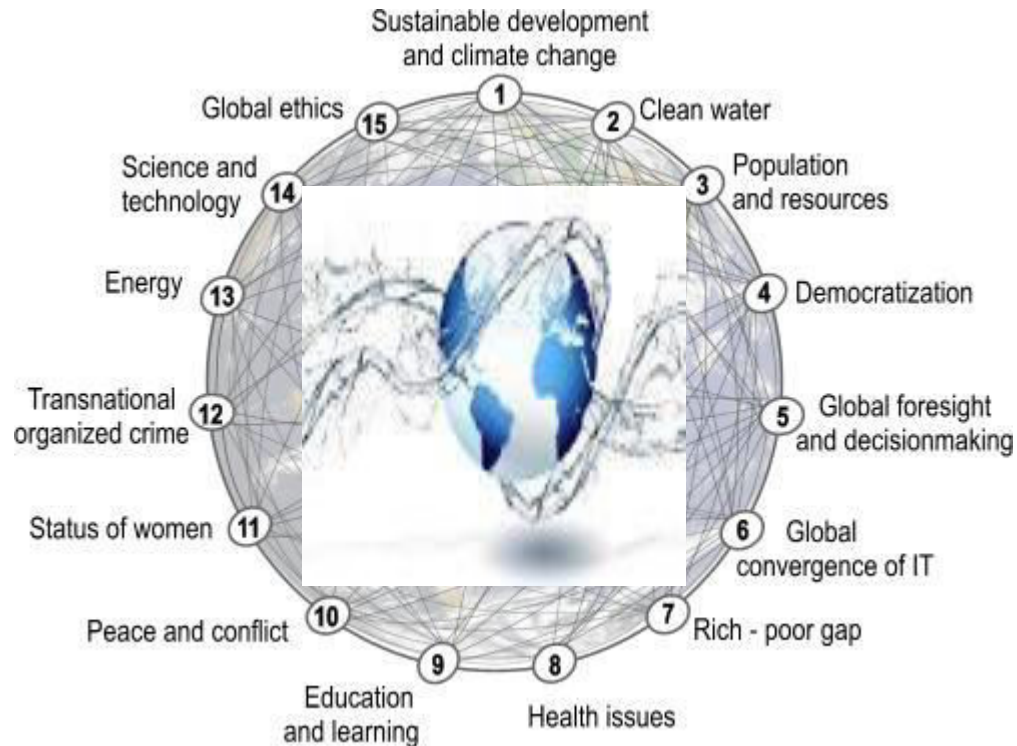
Greener Mobility and
Logistics specific Risk
Mitigation

Ecosystem* specific Risk
Mitigation

Agriculture* specific
Risk Mitigation



Global Challenges in 2020/2021



Ref: Project Millennium

Global Challenges in 2020/2021

- 1. How can sustainable development be achieved for all while addressing global climate change?
- 2. How can everyone have sufficient clean water without conflict?
- 3. How can population growth and resources be brought into balance?
- 4. How can genuine democracy emerge from authoritarian regimes?
- 5. How can decision making be enhanced by integrating improved global foresight during unprecedented accelerating change?
- 6. How can the global convergence of information and communications technologies work for everyone?
- 7. How can ethical market economies be encouraged to help reduce the gap between rich and poor?
- 8. How can the threat of new and reemerging diseases and immune micro-organisms be reduced?

Ref: Project Millennium

Global Challenges in 2020/2021

- 9. How can education make humanity more intelligent, knowledgeable, and wise enough to address its global challenges?
- 10. How can shared values and new security strategies reduce ethnic conflicts, terrorism, and the use of weapons of mass destruction?
- 11. How can the changing status of women help improve the human condition?
- 12. How can transnational organized crime networks be stopped from becoming more powerful and sophisticated global enterprises?
- 13. How can growing energy demands be met safely and efficiently?
- 14. How can scientific and technological breakthroughs be accelerated to improve the human condition?
- 15. How can ethical considerations become more routinely incorporated into global decisions?

Ref: Project Millennium

CCMA and Connected Emergency Response (CER)

- **Team name:** AOEC
- **DevPost project name:** Green Globe Responsiveness
- Our submission is still work in progress for the SAAI
- Factory Hackathon
- **Landing page for the SAAI Factory Hackathon:**
- www.venkataoec.wixsite.com/futuregenart
- **Team details:**
- K.S.Venkatram (Gap Analyst, AOEC)
- Abhiram (Technical Consultant, Operations Advisor)
- Dorai Raj S N (Senior Academician for Accountancy, Commerce, Economics and Policy development)
- Sujendra Raju (GOK, Retired Commercial Tax Commissioner)
- Lakshmi (Senior Academician for Science and Mathematics)
- Aakkash K V (BTECH Automotive Engineering, interested in CCMA)



Milestones for CCMA

Training departments for CER

- @@As a background:
- Our solution finding is based on Sense & Respond systems
- for Connected Emergency Response via trained “Mindset, Methods and Metrics” along with Solutions and Strategies for mitigating threat, disaster, accelerated risk at sites due to challenges setting in due to climate change. We expect to help Preparedness, Mitigation, Response and Recovery, where a connected energy can help plan for, act and swiftly save and protect life. The 2-fold aspects of our envisioning being
- (1) Mitigation & Adaptation (outer macro world to micro operating climate) and
- (2) Facilitation via CERC departments at sites (micro operating climate to outer macro world)
- We find that to plant success in any solution finding, like divine energy we must focus both on (macro to micro) Subsistence and (micro to macro) Emergence.



Training departments for CER

- **@@We find:**
 - The past 5M(s) and 4(s) framework for End to End
 - Operations Management, is fast needing to incorporate
 - subsistence and emergence for Climate Change.
- **@@Fundamentally, 5M(s) and subsistence:**
 - For the sake of clarity, 5M(s) stand for Manpower, Materials, Machines, Methods and Measurements, where in these times we need to incorporate AI and Machine Learning for CCMA specific Global Field Balancing, Sensitivity & Indicators
- **@@Engineering wise, 4S(s) and emergence:**
 - For the sake of clarity, 4S(s) stand for Structure, Strategy, Standards, Science, where in these times the Strategy needs to incorporate Sense-unification for CCMA with Self-Incorporation and Social accountability



Sense unification

Training departments for CER

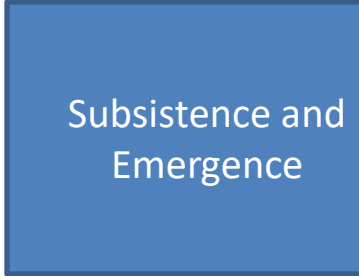
- The solution designs a Facilitator platform for
- “sites” to incorporate Sense and Respond systems for
- CCMA, where CER, Artificial Intelligence & Machine Learning
- work with elements of Operating Climate Engineering
- and Electronic Connects to setup a 2-way macro & micro level solution

Subsistence and
Emergence

- The 2-way macro & micro level solution using
- **STRIDE Cloud-indicators** will focus on
- Challenge 1: Connected Emergency Response Centres (CERC)
- Challenge 2: CERC and Seamless Care
- Challenge 3: Social Accountability Standard for CERC
- Challenge 4: CERC and Virtual Endpoint Management

CERC Sensitivity, Stake-
holding and Training based
on STRIDE: Situation,
Trends.
Relevance,
Impact,
Deterioration,
(Operating Climate)
Engineering

Training departments for CER

- The Solution finding for Connected Emergency Response is
 - Important for our subsistence and emergence. We expect to
 - help deploy Connected Emergency Response via our new
 - Connected Emergency Response Centres (CERC).
- 
- Subsistence and Emergence
- To incorporate Connected Emergency Response, we find that there is some training that will be needed for deploying CERC departments at sites.
 - We call this a STRIDE training programme, that will be based on the Connected Emergency Response (CER) Sensitivity and Stake- holding important for the site.
 - The STRIDE training programme is a People skills part of **our vision of Taking into our STRIDE issues that will or can affect life**, where S stands for: Situation, T stands for Trends, **R stands for Relevance**, I stands for Impact, D stands for Deterioration and E stands for (Operating Climate) Engineering.

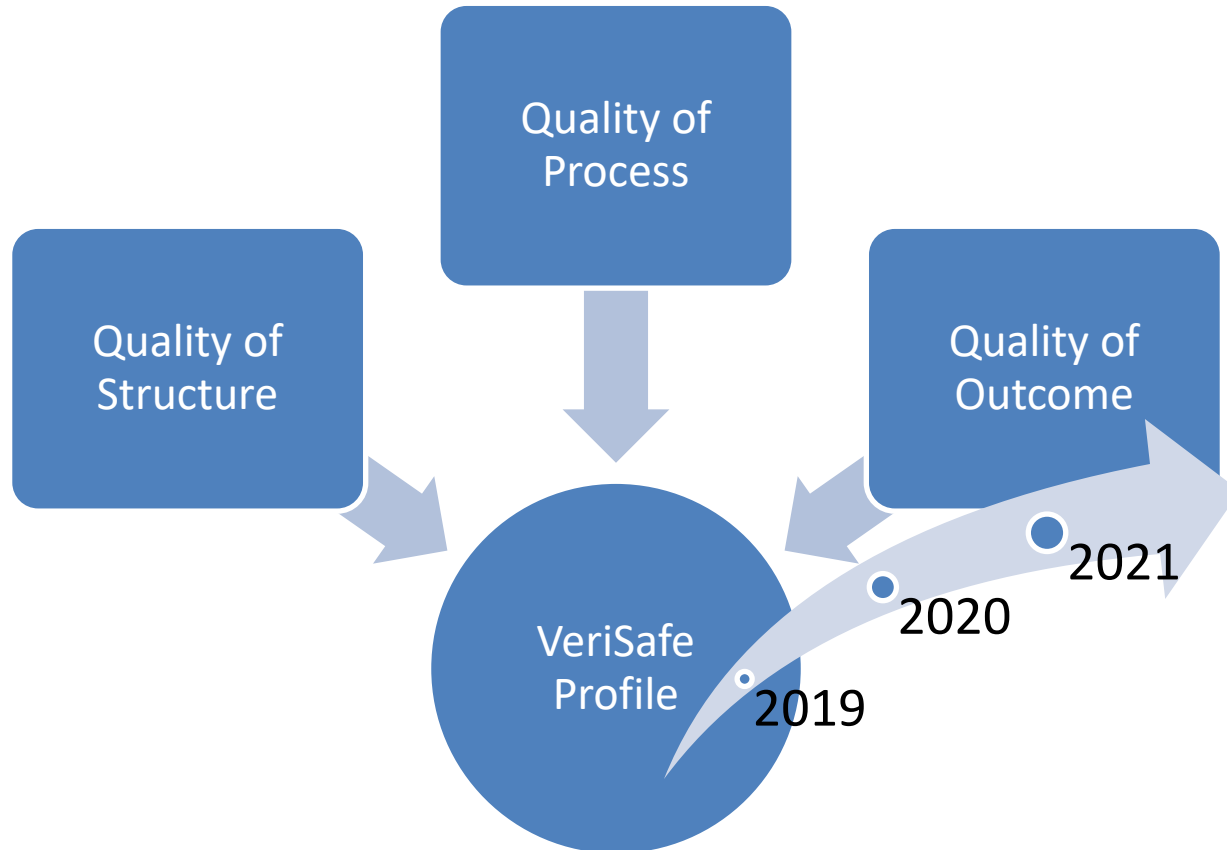
Training departments for CER

- The STRIDE training programme will help people / occupants design an Emergency Response pincode for their site, define LifeScore Abilities for their site/buildings/blocks/occupants.
- The STRIDE training programme will help people / occupants address emergency response in a connected manner.
- The STRIDE training programme will design Continuous Improvement and Trust levels based on CERC Activation, Vital mindfulness and a Strategy for Improving preparation and/or sensitization via Artificial Intelligence /Machine Learning.
- The STRIDE training programme will help plan for a “**LifeScore based pack**” that can help occupants at the time of an emergency response, the programme will also help describe the “**Action plan / Critical path guide**” to be followed during an emergency response and connect bio-clusters of people together via a “**Being Seamless Forum**” that can empower or develop more interest and support for Sense and Respond systems for a connected emergency response that aligns with abilities of bio-clusters of people in disasters, risks and adverse environments.

Subsistence and
Emergence



Profile for Maintenance



by Venkatram, AOEC 2021

Need for Maintenance

To address the need for maintenance, the management committee must design a **Maintenance program** that takes into account the following considerations:

1. Analysis of the site and environment
2. Gathering and analysis of available data
3. Inventory of Assets, equipment and systems
4. Identification of Preventive Maintenance requirements
5. Identification of Corrective Maintenance requirements
6. Preparation and filing of system-level manuals and documentation
7. Need for Training
8. Need for Continual Quality Improvement
9. Need for a Connected Emergency Response Centre

Need for Maintenance

Preventive Maintenance (PM) Program

1. Designing of procedures and identification of a plan & time intervals according to which PM must be carried out
2. Devising of schedules to allocate personnel and resources for the PM plan
3. Designing of Logs, Forms and Reports
4. Designing of a system for Cost tracking
5. Designing of a system for Spares control
6. Designing of a system for Inventory control
7. Designing of a system to gather and address feedback/complaints
8. Designing of a system to gather and assess data input for Continuous Quality Improvement
9. Designing of a Connected Emergency Response Centre and Sense & Respond systems

Need for Maintenance

Corrective Maintenance (CM) Program

1. Developing of a system and suitable knowledge aids for (first-level and thereon corrective level specific) trouble shooting and fault analysis, which can be used alongside documentation provided by the vendor
2. Deciding upon a system to suit nature of site, facility or building and developing of standard operating procedures **for Level of Repair** specific analysis and corrective action
3. Developing of a system to analyze incidences and thereon identify task breakdown with analysis of skills needed
4. Training and supervision to deliver (as per standard operating procedures) with required supportability (required level of reliability & maintainability) and emergency response (via a CERC and other Sense & Respond systems)

NOTE: Of specific importance is preparation of knowledge aids that detail aspects like Start-up sequence, Control settings for normal and continual operations, Shutdown procedure, Emergency Over-Ride procedure and as relevant any Seasonal Changeover procedure referring vendor documentation.