



**Registration of Vehicle Location Tracking (VLT)  
Devices (AIS-140 Compliant) Manufacturers and  
their RFC with Emergency system  
for specified public service vehicles in Punjab**

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By

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<b>Registration of Vehicle Location Tracking (VLT) Devices in Punjab</b>
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**Document Control**

**Document Title:** Vehicle Location Tracking & Monitoring System in Punjab

**Document No. :**

**Name of Organization:** Department of Transport Punjab

**Abstract:** This document provides the detailed procedure for empanelment of VLT manufacture/RFC for the implementation of AIS-140 standard based Vehicle Location Tracking and Monitoring System for all Public Service Vehicles & National Permit Vehicles registered in Punjab. For this AIS-140 certified VLTs from manufacturer will be listed, based on the selection procedures specified in this document.

1	Listing Ref. No.	DTPB/VTMS/2019/1
2	Name of the Department	Department of Transport, Government of Punjab
3	Non Refundable Application Cost for OEM and their AIS 140 device	10000/- (Rupees ten thousand only)+ GST
3	Non Refundable Application Cost for RFC of registered OEM with AIS 140 compliance device	4000/- (Rupees four thousand only)+ GST
4	Call for Applications	Soft copy can be downloaded from the website of Transport Department Punjab <a href="http://www.punjabtransport.org">www.punjabtransport.org</a>
5	Submission of application along with 2 VLTs with AIS-140 standard certificates by Manufacturers	Office of The State Transport Commissioner, Punjab, SCO 177-178, Sector 17 C Chandigarh -160017

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**Abbreviations/Acronyms:**

ARAI	Automotive Research Association of India
CIRT	Central Institute of Road Transport
ICAT	International Centre for Automotive Technology
VRDE	Vehicle Research and Development Establishment
CFMTTI	Central Farm Machinery Training and Testing Institute
IIP	Indian Institute of Petroleum
GARC	Global Automotive Research Centre
NIC	National Informatics Centre
GSM	Global System for Mobile Communication
ISO	International Organization for Standardization
RTA	Regional Transport Authority
SIM	Subscriber Identity Module
DTPB	Department of Transport, Punjab
VLT	Vehicle Location Tracking Unit
GNSS	Global Navigation Satellite System
RNSS	Regional Navigation Satellite System
MORTH	Ministry of Road Transport and Highways
AIS	Automotive Industry Standard
eSIM	Embedded SIM
RFC	Retro fitment Centre
CCC	Command Control Centre
GAGAN	GPS-aided GEO augmented navigation
OEM	Original Equipment Manufacturer

**Glossary of Terms**

The definitions of various terms that have been used in this document are as follows:

"Manufacturer" means a registered firm/company manufacturing AIS-140 (as per the latest amendment) certified Vehicle Location Tracking units in India.

Retro Fitment Centre" means a firm/company who is authorised to sell, install, support and service AIS-140 certified Vehicle Location Tracking Unit of Manufacturer.

## 1. Background

### 1.1. About Regulatory Compliance requirement for VLT devices with Emergency Buttons

In pursuance to the series of notifications and orders issued by the Ministry of Road, Transport & Highways ('MORTH'), Government of India dated: 28.11.2016, 18.04.2018, 25.10.2018, 2.11.2018 and letter dated 31.10.2018 wherein all Public Service Vehicle as defined under section 2(35) of the Motor Vehicle Act, 1988 ('MV Act') means any motor vehicle used or adapted to be used for the carriage of passengers for hire or reward, and includes a maxi cab, a motor cab, contract carriage, and stage carriage, shall mandatorily be equipped with the Vehicle Location Tracking device ('VTS') along with one or more emergency button in compliance with AIS-140 standard including amendments 1(December'17), 2(December'18) & any other amendments issued from time to time. DTPB has decided to follow MORTH's AIS-140 standard.

Device shall be capable of transmitting data to Backend Control Server (Government authorized server) from the VLTD units via Wide Area (Mobile) Communications Network (Cellular) as per Communication Protocol in Section 4. Department of Transport, Punjab, under the Ministry of Transport, Government of Punjab is the principal agency for the enforcement of the Motor Vehicles Act and Rules in the State. Vehicle Tracking & Monitoring System is a technology used by many countries, companies and individuals to track vehicles using Global Navigation Satellite System (GNSS). Apart from enforcement of public road transport rules, the system can also give other valuable services to DTPB and the general public.

In view of above, Transport Department, Government of Punjab is desirous of implementing an online system for tracking the movement of identified all public service vehicles, as defined under clause (35) of section 2 of the Act, shall be equipped with or fitted with vehicle location tracking device and one or more emergency buttons.

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## 2. About Department of Transport Punjab

The Non Commercial Wing of Transport Department, Punjab (hereinafter referred to as "Transport Department") functions under the provisions of section 213 of Motor Vehicles Act, 1988. The Transport Department is primarily established for enforcement of the provisions of Motor Vehicles Act, 1988, Punjab Motor Vehicles Taxation Act, 1924 (Amended 1993) and the rules framed under these two acts from time to time.

The Transport Department is headed by the State Transport Commissioner (STC). STC is assisted by two Additional State Transport Commissioner, one Joint State Transport Commissioner, Deputy Controller (F&A), Deputy State Transport Commissioner, Service Engineer, Automobile Engineer, Assistant Transport Commissioner (Tech) in the Head office.

The Transport department has 11 RTAs, 80 SDMs as registering authorities and 32 ADTTs offices across the State of Punjab. The offices including the STC, RTA, ADTT and SDM offices are collectively referred to as the "Transport Department Offices".

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### 3. Registration of VLTDs manufacturer

DTPB intends to invite manufacturers of Vehicle Location Tracking Device units (VLTDs), which can be used in the public service vehicles, for enabling tracking and monitoring of the vehicles. The objective of VLTD registration is to standardize the VLT data protocol and data format specification to meet the state specific requirements and to support the customers to avail good quality VLT devices and after sales services and its RFC for sales/after sale services. Accordingly, the pre-qualification requirements for the manufacturer and the specifications for vehicle Location tracking unit firmware details are listed in this document. The DTPB will publish the list of registered manufacturer VLT models and the vehicle owners will be advised to procure only the registered VLT models from registered RFC.

1. All VLT device type with Valid Type Approval Certificate approved from CMVR test agencies as per AIS 140 are eligible to apply
2. The Manufacturers can apply their VLT models for registration based on the criteria specified in this document.
3. The manufacturer can register more than one AIS 140 certified VLT model for installation in vehicles in the state.
4. The evaluation of application for registration would be carried out based on the pre qualification criteria and technical evaluation.
5. Only registered VLT models are to be used by public service vehicles in Punjab.
6. VLT manufacturers cannot sell their models for the public service vehicles in Punjab once their authorization/ certification issued by the testing agency is suspended, cancelled or not renewed for any reason.
7. Manufacturers must give an undertaking to DTPB that in case their authorization/certification is suspended, cancelled or withdrawn for any reason,



- they will continue to support the devices already sold for the public service vehicles.
8. Manufacturers must have a Call/Service-centre or similar arrangements to address the queries and any other issues from the end users.
  9. Manufacturers must arrange registered RFC, who is authorised to sell, install, support and service the VLTs in Punjab, Hence the manufactures must submit a declaration and details of RFC for the same .
    - a. The manufacturer, should facilitate eSIM subscription in VLTs along with a subscription of two years for new vehicles and one year for old vehicles from Mobile service providers( on behalf of the Vehicle Owners and must take necessary steps to ensure the continuity of the service once the eSIM validity period is expired.
    - b. DTPB can terminate the approval of the registered manufacturer at any time if it is found violating any of the provisions of the CMVR- 1989, AIS-140, any other direction issued by the DTPB or any other applicable law.
  10. DTPB reserves the right to change the terms and conditions governing the certification and approval at any point of time.
  11. Unless the Certification of any VLT model is cancelled by DTPB, the certification of VLT model shall remain valid as long as such model continues to comply with the terms and conditions in AIS-140 standard or for 1 year whichever is less. Before the expiry period manufacturers have to renew the certification in accordance with DTPB regulations.
  12. DTPB reserves the right to modify the VLT firmware specification or add additional features to existing specification. The release of the VLT specifications will be in a version controlled fashion.
  13. DTPB may initiate the registration process, as and when required.
  14. Interested Manufacturers for the respective VLT models which comply with the DTPB requirements may download the registration document from the website



and submit the same duly filled in and supplemented with all relevant documents to DTPB for further processing.

### **3.1. Registration of RFC of registered AIS 140 standard VLTs manufacturer in Punjab**

DTPB intends to invite manufacturers of Vehicle Location Tracking Device units (VLTs), applications for the RFC, and as such, multiple RFC from the same manufacturer will require separate applications for registration. Vehicle owners will be advised to procure only registered VLTs from registered RFC.

1. RFC must submit authorization letter issued by OEM of VLT on its letter head.
2. If manufacturer wants more than one RFC to be registered, separate application is to be submitted for each RFC.
3. RFC cannot sell manufacturer models for the public service vehicles in Punjab once authorization/ certification issued by the testing agency is suspended, cancelled or not renewed for any reason.
4. RFC of corresponding manufacturers should have sufficient infrastructure like computer, internet service, official phone number, technicians etc. to provide assistance to end users.
5. RFC site inspection and verification of facilities provided by RFC can be done by DTPB officials
6. DTPB may initiate the registration process, as and when required.
7. Interested RFC for the respective VLT models which comply with the AIS 140 and DTPB requirements may download the registration document from the website and submit the same duly filled in and supplemented with all relevant documents to DTPB for further processing.

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#### 4. Scope of the Project

125 H. Provision of vehicle location tracking device and emergency button.-

All public service vehicles, as defined under clause (35) of section 2 of the Act, shall be equipped with or fitted with vehicle location tracking device and one or more emergency buttons:

Provided that this rule shall not apply to the following category of vehicles, namely:-

- (i) two wheelers;
- (ii) E-rickshaw;
- (iii) three wheelers ;and
- (iv) any transport vehicle for which no permit is required under the Act.

Department of Transport Punjab is planning to track all Public Service Vehicle as defined under section 2(35) of the Motor Vehicle Act, 1988 ('MV Act') means any motor vehicle used or adapted to be used for the carriage of passengers for hire or reward, and includes a maxi cab, a motor cab, contract carriage, and stage carriage, shall mandatorily be equipped with the Vehicle Location Tracking device ('VTS') along with one or more emergency button in compliance with the standard of AIS-140 in Punjab, in phased manner. These vehicles should be tagged with VLT devices. The owners of the vehicles registered should purchase the VLT devices from selected manufacturers/RFC only.

VLT Manufacturers/ registered RFC will be given controlled access to the Vahan Portal and DTPB's BSNL backend application for tagging (connecting) and feeding the details of the VLTs to the BSNL backend application for DTPB in real time, and the backend provides login & monitoring interface to various stakeholder such as state emergency response team, the transport department or Regional Transport Offices, Police and any other agency defined by state as per requirement, Ministry of Road Transport and

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**5. Pre-Qualification Criteria for VLT Manufacturer**

DTPB shall carry out the evaluation process of VLTs. Manufacturers have to meet the following pre-qualification criteria for registration.

**Pre-Qualification Criteria**

S.No.	Criteria	Required Documents
1	The Manufacturer should be a registered company in India under the Companies Act, 1956/2013.	Certification of incorporation
2	The Manufacturer should not be blacklisted by any Central/ State agencies in India.	Self declaration by the manufacturer signed by the authorized signatory
3	Only OEMs will be allowed to participate in registration as VLTD manufacturer.	Copy of relevant Certificate
4	The VLT model which Manufacturer intends to submit for registration must be certified according to AIS-140 standard by CMVR test agency	Copy of relevant Certificate(s)
5	The VLT device should have feature to customized integration with BSNL's National VLT Backend Punjab State/ Command and Control Centre /State Data Centre, as per DTPB requirement	Self declaration by the manufacturer signed by the authorized signatory.
6	The Manufacturer shall agree to open an Office in Punjab within one month, once the Manufacturer is registered.	Self declaration by the manufacturer signed by the authorized signatory
7	3 Year balance sheet, income tax return, PAN and GST registration number of manufacturer is required	Copy of relevant Certificate(s)
8	Type of approval from test agencies (ARAI /CIRT/ICAT /VRDE/ CFMTTI /IIP/GARC	Copy of relevant Certificate(s)
9	COP or authorization from test agencies (ARAI/CIRT/ICAT/VRDE/CFMTTI/IIP/GAR C), as per AIS 140(if applicable)	Copy of relevant Certificate(s)

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Highways and its designated agencies. In addition to above, It will also ensure regular updation in Vahan through a common layer for the registration, activation, health check and alert updates of VLT devices.

Further in future as per requirement of the department VLT Manufacturers/registered RFC will need to connect with DTPB backend application(with controlled access)/Command Control Centre/State Data Centre for tagging (connecting) and feeding the details of the VLTs to the backend application/State Data Centre in real time.

Registered manufacturers should train the RFC for installing the VLT devices in vehicles and support the customers whenever required. In compliance to the order, registered manufacturer must ensure proper fitment of the VLT device in the public service vehicle. Also, in the interest of the public, it must provide a "Customer web interface" and "customer mobile app" for the vehicle owner to track his vehicles in real time and also provide various historical & real time reports to the vehicle owner/DTPB.

Registered manufacturer must ensure mapping of panic button with VLTD device and CCC/BSNL Backend/State Data Centre. it must sent SOS SMS,GPS tracking info, Email and alert by call on specific mentioned contacts of the state agencies in case of panic button pressed.i.e.Geo fencing of jurisdiction of various enforcement authorities will be required to be done so that in case of panic button pressed, it will automatically alert the concerned authority.

Manufacturer shall provide warranty (at least for one year)and AMC for their products. Manufacturers /the registered RFC have to supply and support certified VLT models' across the State. Any complaint registered through the DTPB website/BSNL Backend/email/Mobile App/CCC or transport department official should be serviced within stipulated time as specified in general terms & conditions of the document.

For redressal of complaints the customer web interface and mobile app must also have a support ticketing system to enable customers to report problem or raise support requests, which should be serviced by the respective manufacturer/ registered RFC and monthly MIS reporting to DTPB shall be ensured.

credentials.

Any entity (manufacturer) which has been punished for any offence or any representative of that entity is convicted for any offence or against whom any criminal cases is/are pending before competent court, shall not be eligible to submit the proposal. The manufacturer shall have to submit affidavit to this effect.

In addition to the standard, Transport Department Punjab(DTPB) recommends below features.

- a) Hooter (Mandatory)
- b) Tilt Alert (Mandatory)
- c) Impact Alert (Optional)
- d) Alert on tampering and vehicle battery removal (Mandatory)
- e) Alert in case of geo- fencing violation (Mandatory)
- f) Minimum 2 emergency buttons in all passenger cars; one for passenger seat and one for driver (Mandatory). Details are in 'Guidelines for implementation'.
- g) Minimum 5 emergency buttons in all other public transport vehicles (Mandatory). Details are in 'Guidelines for implementation'.
- h) The emergency buttons should be fitted in location easily accessible to the person (driver/passenger) intended to use it. In public transport vehicles like buses the emergency buttons should preferably be fitted on the vertical pillar above the window rail below the luggage rack. Refer pic 2 and 3 in 'Guidelines for implementation'.

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## 6. Pre-Qualification Criteria for RFC

DTPB shall carry out the evaluation process of RFC of registered OEMs of VLTD in Punjab. RFC have to meet the following pre-qualification criteria for registration.

### Pre-Qualification Criteria

S.No.	Criteria	Required Documents
1	The RFC of should be a registered firm/ company in India under the Companies Act, 1956/2013.	Certification of incorporation
2	The RFC must have letter of authorization issued by Manufacturer registered in Punjab	Copy of authorization letter
3	RFC must ensure selling of only AIS-140 compliance VLT model of manufacturer	Self declaration by the RFC signed by the authorized signatory
4	PAN and GST number of RFC	Copy of relevant Certificate(s)
5	RFC must have trained manpower for fitment of VLT device and its activation/integration with Backend/CCC	Self declaration by the RFC signed by the authorized signatory
6	RFC must fulfill minimum infrastructure requirement as per terms & conditions of this document.	Self declaration by the RFC signed by the authorized signatory

Any RFC which has been punished for any offence or any representative of that entity is convicted for any offence or against whom any criminal cases is/are pending before competent court, shall not be eligible to submit the proposal. The manufacturer shall have to submit affidavit to this effect.

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### Backend Control Centre

The following mandatory provisions will have to be made in the Backend Control Centre:

- 1) Registration and activation of the device(s) fitted on the vehicle, including the details of vehicle registration number, engine number, chassis number, vehicle make and model, device make and model, and telecom service provider's name.
- 2) Re-registration/re-activation of the device(s) fitted on the vehicle in case of any change in device or telecom service provider, etc.
- 3) Regular health check of the device(s) fitted on the vehicle, as per the parameters and frequency defined in Sub-section 3.1.4 of AIS 140 document
- 4) Administration/configuration of devices for any changes in the parameters as decided by the state from time to time.
- 5) Notification of alerts in case of press of an Alert Button fitted on the vehicle, in the protocol defined in Section 4 of AIS 140 document
- 6) Notification of alerts in case of defined deviations by vehicle such as over-speeding, deviation from defined route/geographic area, time of operation, etc.
- 7) Location tracking of the vehicle including real-time as well as history tracking for up to last 90 days.
- 8) Notification to the permit-holder through SMS in case any device(s) stops functioning/sending data to the Backend Control Centre.
- 9) Reports of the vehicles with devices not working/sending data beyond defined number of days (1 day, 3 days, 7 days and 30 days).
- 10) Ensure that the security and privacy of the data is maintained in accordance with applicable laws/guidelines of various government authorities.
- 11) The Backend of BSNL must have provision for migration/integration with State Data Centre (CCC) whenever made operational.

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In addition to the above mandatory provisions, the Backend Control Centre can provide any other optional features.

## 7. Submission of Application for Registration

The Manufacturer can apply for registration of one or more models of VLT devices in the state.

## 8. General Conditions

Manufacturers are advised to study the document carefully. Submission of application will be deemed to have been done after careful study of all instructions, eligibility norms, terms and requirement specifications in this document with full understanding of its implications. Applications not complying with all the given clauses in the document are liable to be rejected. Failure to furnish all information specified in this document or submission of application not substantially responsive to the document in all respects will be liable for rejection.

- (i) Application for registration will be hosted in DTPB official web site ([www.pbtransport.org](http://www.pbtransport.org)) and can be downloaded and used for submission of application forms. Application fee shall be paid to DTPB along with the submission of application.
- (ii) Un-signed and un-sealed application shall not be accepted.
- (iii) All pages of the application and documents being submitted must be signed and sequentially numbered by the Manufacturer.
- (iv) Ambiguous applications will be out-rightly rejected.
- (v) Applications not submitted as per the format will be rejected straight away.
- (vi) No deviations from the specifications will be accepted.
- (vii) The Manufacturers will bear all costs associated with the preparation and submission of their applications. DTPB will, in no case, be responsible or liable for those costs, regardless of the outcome of the registration process. In case of

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incomplete applications where DTPB requires the Applicants to submit any missing/incomplete information/documents, the receipt of such clarification/documents by DTPB shall be deemed to be the date of submission of the Application. DTPB may, at its own discretion, can add or delete any clause of this document.

#### **9. Registration fee for VLTD Manufacturer**

The application shall be submitted along with registration fee of Rs. 10000/- (Rupees ten thousand only). It can be submitted through demand draft in favour of "State Transport Commissioner Punjab" payable at Chandigarh. The registration fees paid to DTPB will not be refundable. An application not accompanied by the aforesaid payment shall be considered as non responsive and will be rejected.

#### **10. Registration fee for RFC**

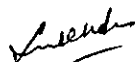
The application shall be submitted along with registration fee of Rs. 4000/- (Rupees four thousand only). It can be submitted through demand draft in favour of "State Transport Commissioner Punjab" payable at Chandigarh. For additional RFC registration, the manufacturer shall submit an additional fee of Rs 4000/- (Rupees four thousand only) for each RFC. The registration fees paid to DTPB will not be refundable. An application not accompanied by the aforesaid payment shall be considered as non responsive and will be rejected.

#### **11. Performance Guarantee Fee**

A performance guarantee of Rs 20,00,000/- (Twenty lakhs only) shall be submitted for the manufacturer registration & Rs 1,00,000 (One Lakhs only) for each RFC intending to be registered. The performance guarantee shall be in the form of bank guarantee issued from any of the nationalized banks and shall remain valid for three years.

#### **Forfeiture of Performance Bank Guarantee:**

Performance Bank Guarantee amount in full or part may be forfeited, including interest, if any, in the following cases:-



- (i) When any of the below circular/notifications not breached by the manufacturer
- (1) AIS-140 Standard including amendment 1(December'17) & Amendment 2(December'18) and any other amendments from time to time.
  - (2) When manufacturer fails to comply with any other circular/notifications issued by MoRTH Central Government/state Government /DTPB from time to time.
- (ii) When the manufacturer fails to comply with any applicable terms & conditions of this document
- (iii) When manufacturer fails to provide integration with Vahan data base on real time basis and customized backend to the State as per requirement
- (iv) When the manufacturer or RFC is involved in malpractices.

Notice will be given to the bidder with 14 days time before Performance Bank Guarantee deposited is forfeited.

No interest shall be payable on the Performance Bank Guarantee.

## 12. Submission of Application

- a. A Manufacturer can apply for registration of one or more models of VLT devices.
  - b. The Manufacturer is required to submit statement of compliance of the devices with the specifications as set out in this document.
  - c. The Manufacturer is required to submit their application in the prescribed format in this document.
  - d. The Manufacturer is also required to submit two VLT devices, eSIM with 1 year data plan validity and all other necessary documentation needed for interfacing and testing. The department may call registered VLT devices for inspection any time.
  - e. All communications and proceedings shall be in writing, in Punjabi or English language only
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### 13. Details of Document to be submitted

The Manufacturers/RFC are required to submit the following documents.

- a) Table of contents listing documents and other details submitted.
- b) DD towards Registration Cost.
- c) Manufacturer/RFC Registration Form.
- d) Type approval certificate.
- e) Authorization for RFC.
- f) Compliance Report in terms with Specifications for VLT devices. Both hardcopy and softcopy (in pdf format) of the above documents are required to be submitted. The documents along with registration form need to be submitted in a sealed envelope clearly bearing the following: "Application for Registration of Manufacturer and their VLT device/s /RFC ", Department of Transport -Punjab". Name and address/email of manufacturer/RFC with contact number. The application should reach DTPB at the :

Office of State Transport Commissioner Punjab,  
SCO -177-178, Sector 17 C, Chandigarh E-mail ID -vltdpunjab@gmail.com  
contact no: 0172-2702575

### 14. Evaluation of Applications

- a) The application found complete in all respect shall be considered for processing and testing of VLT devices for compliance with specifications.
- b) DTPB reserves the right to verify all statements, information and documents submitted by the Applicant. Applicant may be asked to submit more documents, if any clarification required.



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- c) Decision of DTPB regarding registration/ rejection of the RFC/VLT devices under this process will be final and no correspondence in this regard will be entertained by DTPB.
- d) Selected manufacturer models/RFC will be published on DTPB website after submission of PBG by the shortlisted manufacturers.
- e) DTPB may conduct site inspections and validate the facilities of RFC identified by manufacturers as RFC for distributing and fitting the VLT device to customers.
- f) In case DTPB delist any RFC due to any dissatisfaction or RFC withdrawal, then the corresponding manufacturer shall arrange alternate RFC in the same region.

**Operational Evaluation**

Compliance against the operational specifications below needs to be submitted by the Applicant. The same should be subjected to demonstration by the Applicant and/or testing by DTPB for validation, as mentioned below:-

Sl.No.	Specification	Validation Process	Confirmation (Yes/No)
1	Communication Protocol as per AIS140 standards in line with Ministry of Road Transport & Highways (MoRTH) directives and notifications.	Device functionalities to be demonstrated by the Applicant at the time of submission	
2	Demonstration of test server configuration on DTPB BSNL Backend system	Acknowledgement of test command given to device and display of Tracking message at BSNL	

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		backend system	
3	Fitment of the VLT device with Panic Button System, in a test passenger vehicle	Demonstration and connection, in the test vehicle	
4	Demonstration of Alert Messages as per AIS-140, when the Panic button is pressed.	Demonstration of the alert message at DTPB BSNL backend system test server and emergency response server (2 messages at two different servers)	
5	The Primary source of power for the device should be from vehicle's battery. When the device is disconnected from vehicle battery it should start operating on internal battery	A demonstration by Applicant together with supporting document as under: AIS-140 Certification.	
6	Alert on tampering and vehicle battery removal.	A demonstration by Applicant together with supporting document as under: AIS-140 Certification	

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7	Device should meet all the features prescribed as per AIS-140	A demonstration by Applicant	
8	Device shall be capable for operating in L and/or S band and include support for NAVIC/IRNSS (Indian Regional Navigation Satellite System)	Certification	

**Legend:**

Yes: Feature is available in the Vehicle Location Tracking Device model submitted.

No: Feature is not available in the Vehicle Location Tracking Device model submitted.

- After successful demonstration/ evaluation intimation will be sent to of successful manufacturers
- A performance guarantee shall be submitted by the successful manufacturer or RFC intending to be registered, within 15 days.
- Subsequent to which successful manufacturer name will be published in registered VLT manufacturer list and required credentials of the VAHAN/ DTPB BSNL portal will be issued to the manufacturer/ RFC.

**Final Selection of VLTD Manufacturer/RFC:**

The final selection of VLTD manufacturer /RFC will be done on the basis of fulfilling pre qualification criteria as well as and operational evaluations done by the DTPB.

**Blacklisting:**

If any information or document provided by the manufacturer is found to be false or misleading during the evaluation process, such application would be

liable for rejection and if the RFC/VLT device has been registered, its registration would be liable to be cancelled. Further, the Manufacturer may be considered for blacklisting.

## **15. Guidelines for implementation**

### **Guidelines for the Implementation of VTMS**

#### **1. Guidelines to VLT Manufacturers/RFC**

##### **a) Vahan 4.0 :**

- i. The details of each VLT device (VLT device manufacturer code, device serial number, IMEI number, IccID number and other details as notified by the Central Government/State Government) shall be uploaded on the Vahan 4.0 directly or through backend system by the VLT device manufacturer using its secure authenticated access.
- ii. The VLT device manufacture will ensure uploading device data in Vahan 4.0 system against the respective vehicle record at the time of installation and registration/activation of VLT device
- iii. In case of any problem in updating Vahan 4.0, it will be VLT device manufacturer's responsibility to resolve the same.
- iv. Regional Transport offices/Motor Vehicle Inspectors shall be able to verify the registration/activation/functional status of VLT device in the Vahan 4.0 /corresponding backend system at the time of fitness testing.

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- v. The permit holder will have option to check the installation and device working status in the Vahan 4.0.
- vi. Publish VLT device details in the Vahan 4.0/ any other State/UT system used for registration of vehicles and/or issuance of permits
- vii. Publish alerts and health check received from VLT device in the Vahan 4.0/ any other State system used for registration of vehicles and/or issuance of permits.

**b) Operational Process:**

- i. Each VLT device manufacturer shall provide the details of their respective internet protocol address (IP address) and Short Message Service Gateway (SMS gateway) number of their respective emergency response system, setup by the manufacturer, where VLT devices will send the emergency alerts on press of emergency button and BSNL Backend system.
- ii. The VLT device manufacturers or their authorised RFC, at the time of installation of VLT device in vehicles, shall configure the IP address and SMS gateway details in the device for sending emergency alerts to the emergency response system of the DTPB/BSNL at Backend.
- iii. In case of press of emergency button, the VLT device manufacture must ensure that the backend system is configurable to forward Emergency alerts & calls to the designated officers/offices, as may be notified by the department from time to time.
- iv. The CCC/BSNL Backend system should also provide information with regard to the VLT device fitment validity, device health status, etc to ensure execution of the order and to ensure proper fitment and functional status of the VLT device in the public service vehicles at all times.
- v. In compliance to the order, manufacturer must ensure proper fitment of the VLT device in the public service vehicle. Also, in the interest of the public, it must provide a " Customer web interface" and " customer mobile app" for the vehicle owner to track his vehicles in real time and also provide various historical & real-time reports to the vehicle owner. This

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should also enable the public service vehicle owners to ensure that the VLT devices installed in their vehicles are in working condition and is regularly sending required data to the corresponding backend system through cellular connectivity. The customer web interface and mobile app must also have a support ticketing system to enable customers to report problem or raise support requests, which should be serviced by the respective manufacturer.

- vi. Manufacturer must ensure that the tracking data should be kept live in the system for at least 90 days. Utilities should be provided to support archive and restore functions for older data. Alerts/ reporting shall be available for one year in the backend.
- vii. Authentication of vehicle shall be done through an OTP sent on vehicle owner's registered mobile number from the DTPB BSNL/corresponding backend system.
- viii. An installation certificate Annexure H(Sample format), along with the fitment certificate and warranty certificate must be issued to the vehicle owner as owners copy and Department of Transport copy. Fitment certificate with photo of the installed device in the vehicle, photo of the front of the vehicle with number plate, photo of the RC and a unique encrypted QR code must be provided by the manufacturer at the time of installation & fitment of the VLT in the vehicle. After activation of the device on the DTPB /BSNL backend the data will be available on VAHAN 4.0 VLT maker module .This will enable proper checking of the vehicles for fitness certificate and for compliance of the functional requirements at RTA end.
- ix. The backend system of the VLT device Manufacturer must provide both web portal and mobile app to the Transport Commissioner, Regional Transport Authority,MVI, flying squad, or any authorised enforcement officer, which should provide a facility to on-spot verify the certificate of the vehicle/ registration /activation/functional status of the VLT devices at any time, online through scanning of the printed QR code on the fitment/ installation certificate. The QR code must be encrypted and

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should be readable & authenticated through the said mobile app only. The encrypted QR code must provide complete information related to the fitment of the VLT device in the vehicle. Such information must include: VLT serial/ IMEI No, Manufacturer name & code, VLT Device Model, Vehicle Registration No., Chassis No, Engine No., Vehicle Model, Owner Name, installation Date, Expiry date and direct link to live Track the vehicle. The QR scan screen of the App must also provide the live location of the vehicle as well as the location where the printed Certificate is being scanned, to ensure that the VLT location as well as the location where it is being scanned through the App is same. The web portal must provide various detailed real-time state-wide reports to the transport commissioner and the Regional Transport Authority and any other authority.

- x. The Manufacturer backend system must provide interface where the State Transport Commissioner/RTA must be able to create routes with route fencing for each public service vehicles and receive alerts as well as reports in case the vehicle deviates from its routes or in case of non-serving of their respective routes. The backend system must also provide interface for the Transport Commissioner/RTA to be able to creates stoppages in the routes and also define the allowed stoppage time. Alerts and reports must be created for the vehicles in violation to the allowed stops and stoppage timings.
- xi. Each manufacturer must ensure that they are able to customise their backend system/web portal/ mobile app, at their own expense and costs, as per the requirements of the Transport Department from time to time.
- xii. The backend system of the VLT device Manufacturer must provide both web portal and mobile app to the RFC to ensure online real-time installation & fitment of the VLT device in public service vehicle. *Subscribed*
- xiii. In compliance to the functional requirements of the order, each VLT must send health & location data at regular intervals to the established CCC/DTPB.BSNL.

- xiv. CCC/backend system/customer and the entire data should be hosted on server physically located at the manufacturer or Data Center within the boundaries of India only and no data or its copies should be hosted outside India. In case of need we may notify a specific state facility/data center for setting up of servers and storage of data.
- xv. VLT device Manufacturer/RFC must ensure that the backend system must be in strict compliance to the clause-8 - code of practice ( for implementation of VLT device, emergency button(s) and CCC) of the AIS 140
- xvi. To further ensure safety, good and continued service for public service for the public at large. The Backend of BSNL must compatibility for transfer of complete software along with data to CCC/State data centre. So that public/PSV who have installed that OEM's device continue to get service through use of this software through CCC/State data centre from time to time.
- xvii. Each Manufacturer must provide to State:
- ✓ A secure mechanism with the Application programming interface (API) Code/ Protocol to decrypt the secure QR code printed on their Installation/ Warranty/ Fitment Certificates.
  - ✓ A secure mechanism with API code to Pull/Push data or information from their respective backend system. This data includes, but not limited to Installed VLT devices, Activated VLT devices, Certified vehicles, Vehicle Certificates, health status of the VLT device, live & on demand location of the VLT device, Alerts & reports related to Over speeding, Emergency button, offline devices, VLT firmware, VLT device activations/registration , route deviations , etc
  - ✓ A secure mechanism with API code to configure their respective backend systems, as per the requirements of the state from time to time. This configuration includes, but not limited to: configure routes, stops and allowed minimum / maximum stoppage timing of the public service vehicle, etc.



c) Regarding RFC for installation and maintenance

- Registered OEM should arrange registered RFC in the state
- Registered OEM should have a supervisory control over franchisee's operations and should ensure quality service to customers

RFC should have the following facilities:

- An office in the region
  - Trained technicians to fit the VLT device in vehicles
  - A minimum of one person with computer & internet knowledge for tagging device with DTPB application
  - A minimum of one computer with internet connectivity & printer for printing the installation certificate
  - A contact telephone number should be given to customer to call for support
- **Quality of service (QOS) -**

The VLT manufacturer will provide directly or through RFC the following QOS as per standards mentioned below:-

- UP time of the device and tracking upto 97% calculated in the month.
  - i. If any complaint is raised against the installed VLT device, then the concerned manufacturer/registered agency/ franchisee/RFC should respond within 8 hours
  - ii. For complaint classified as high, resolve within 24 hrs of reporting the complaint.
  - iii. For complaint classified as **medium**, resolve within 48 hrs of reporting the complaint.

- iv. For complaint classified as low, resolve within 72 hrs of reporting the complaint.
- v. If more time is required, then a standby VLT should be installed temporarily and replaced once the original VLTs issue gets solved. The complaint and clarifications should be logged into the DTPB CCC/BSNL Backend/Mobile app.

➤ The department can anytime ask for the above i to v reports. In case of gross irregularity i.e. if manufacturer/RFC unable to resolve minimum 40% of complaints in time than notice of cancellation to be issued to concerned VLTD manufacturer/RFC.

▪ **Classification of High, Medium & Low Complaints**

**High** - Any physical damage or hardware issue which completely stops or effects the normal working of VLT/ Error in normal & emergency data sending/ Missing or unwanted generation of Critical alerts / Issues related to Emergency buttons etc.

**Medium** - any condition which makes the device partially working like wrong update frequency, Missing or unwanted generation of Non critical alerts, issues related to hooter/buzzer etc.

**Low** - any condition which limits certain features of the device without effecting the normal working of the VLT like Issues related to full packet, health packets etc.

▪ **Complaint Register**

If the VLT device is found to have any complaints, then it should be registered in the complaint register module of the application to avoid false alerts. All the complaint registered should be rectified within the timeline specified in the above Service Time

▪ **Subscription Renewal**

All vendors should ensure that their franchisees provide a subscription renewal certificate to vehicle owners at the time of renewal of the



subscription. This certificate should be produced by vehicle owner to MVI at the time of inspection for Certificate of Fitness (CF)

▪ **Training to RFC**

All manufacturer should have master trainers who are well trained and thorough in DTPB application. These master trainers should give training to franchises/RFC technicians for fitment and tagging of VLT device.

d) **Regarding Fitment of VLT device in Vehicle**

▪ **Position of VLT and Panic Buttons**

Physical mounting of VLT device in vehicle should be as per AIS140 section 5.3. It is mentioned as '*The VLT system shall be mounted in a suitable location such a way that it is not easily accessible/exposed to passengers*'. VLT device may be fitted over the dashboard for heavy vehicles and under the dashboard for light vehicles. The IMEI Number of VLT device should be clearly indicated above the device in such a way that it can be easily identified.

In EIBs it has been decided to fit a minimum of 1+1 (1 for passengers and 1 for driver) and a maximum of 4+1 (4 for passengers and 1 for driver) panic buttons based on the seating capacity of the vehicles. Panic buttons for passengers may be fitted suitably in the vertical pillars on both sides of the vehicle. Panic buttons should be easily and equally accessible to all passengers and students in the vehicle. The fitment may be as follows

- ❖ Up to 7 seat : 1+1( 1 for driver and 1 in back of 2nd row seat).
- ❖ 8 seat to 13 seat : 1+2( 1 for driver and 1 each in 2 sides).
- ❖ 14 seat to 23 seat : 1+3 (1 for driver and 1 in right side 2nd row , 2nd in right side 2nd last row and 3rd in left side middle row).

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❖ 24 seat and above : 1+ 4(As shown in Figure 2)

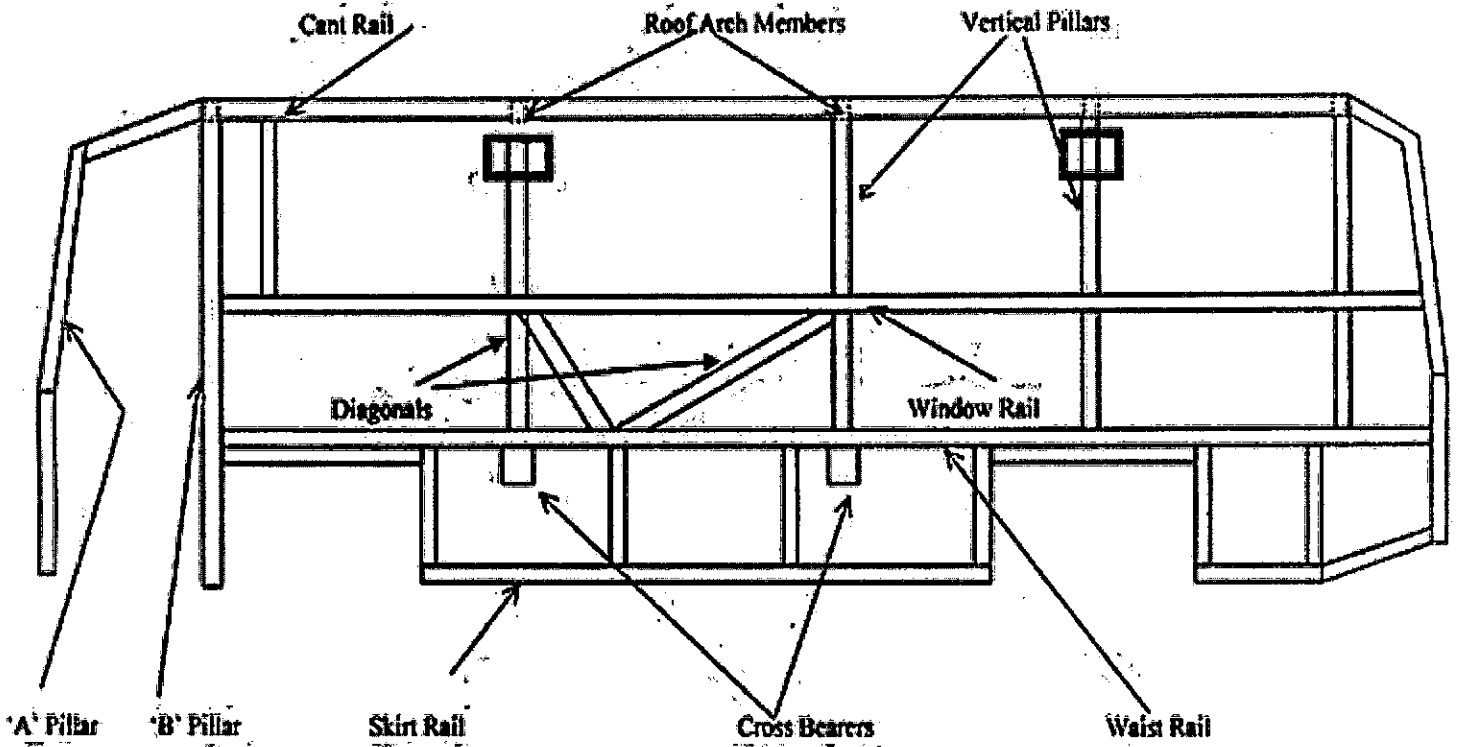


Figure 1: Panic Button position in vertical pillars

*Signature*

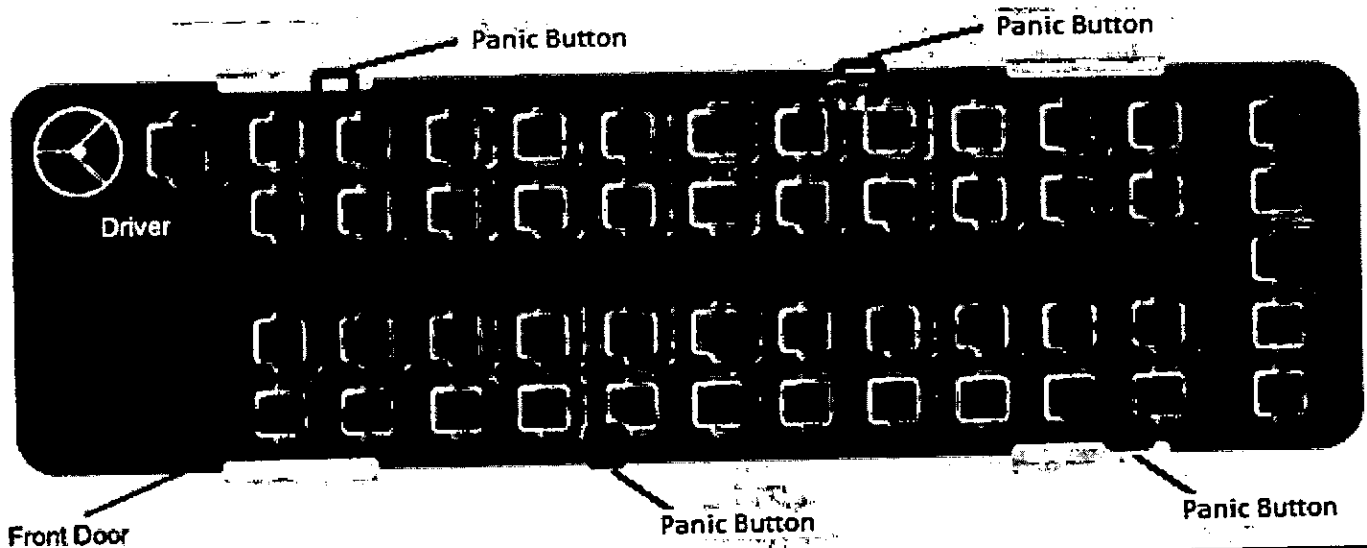


Figure 2: Indicative Panic Button positions for 49 seater

Note: The images shown are indicative. Fitment technicians should identify best positions for panic buttons based on the seating layout and body type of the vehicle. Primary consideration should be given to accessibility and safety of passengers.

- **Wiring of VLT and Panic buttons**

VLT devices and panic buttons should be properly wired in the vehicle. Wires to panic buttons and hooter/ buzzer should be provided with proper shielding or outer covering. No wires should be exposed or seen hanging. Wires should be properly coupled and should be fire proof. All safety precautions should be taken in fitment of VLT devices and panic buttons.

- **Hooter / buzzer**

Hooter/buzzer for emergency condition should be loud enough to be audible to passengers and nearby people outside the vehicle. It should be placed in a convenient position inaccessible by passengers.

- **Notice to Passengers & Public**

Proper indication to passengers and public should be given in the vehicle. Stickers indicating the fitment of Vehicle Tracking Device (Fitted with AIS140 Vehicle



Tracking System) - may be placed at front and back side of the vehicle. Information regarding the panic button should be provided to passengers.

Messages indicating the use of Panic button eg: Press in case of Emergency Only, Misuse will result in penalty, should be placed above each panic button.

**e) NERS**

As per the mandate of AIS140, when NERS system of the state become operational, the device should send the emergency alert packet to the server mentioned by NERS team. The data format should be as per the NERS specifications. The vendor should ensure that all deployed devices meet this mandate.

**f) White listing of IP and SMS mobile number**

In future DTPB/BSNL backend will publish the IP / Domain to which data should be send. Vendors should ensure that the device will send data to the allowed IPs only.

DTPB/BSNL Backend will publish the SMS gateway short code or mob number from which the activation key and other configuration parameters may send. Vendor should ensure in the firmware that the device will not respond to any SMS from any unauthorized mobile number.

**g) Customer Support**

Vendor should set up a call centre or a 24/7 toll free number for customer support. Any queries regarding the VLT, service or complaints should be properly addressed.

*Send*

**Annexure - A. Application Form for registration of OEM & their VLT  
device**

**Annexure - A.**

**Application Form for Registration of OEM & their VLT Device  
Format for VLT Application Form  
( on the official letter head of manufacturer)**

**Date :**

To,  
State Transport Commissioner, Punjab,  
SCO-177-178, Sector 17 C,  
Chandigarh.  
E-mail ID: vltdpunjab@gmail.com

**Sub: Registration of OEM & their VLT device/s for the Public Vehicles in Punjab,**

Sir,

We have fully understood the requirements of the process " Registration of OEM & their Vehicle Location Tracking Unit (VLT) for Public Vehicles in Punjab" and are submitting our registration application for the following VLT device(S) being manufactured by us together with the required details, other information as per the registration process and the compliance report for VLT specification and protocols

OEM name and address	
Address	
VLT device model details	
Address of VLT production centre	
Contact Person details (If different from undersigned)	

*Kuldeep*

In relation to our application, DTPB may also note the following:

1. Our application is unconditional and all information provided in the application is true and correct.
2. We hereby declare that the VLT device(s) being submitted for registration complies with the specifications as set out in the registration process document and we shall make available any additional information as DTPB may find necessary as required for clarification.
3. We acknowledge the right of DTPB to reject our application without assigning any reason and accept the right of DTPB to cancel the registration process at any time without incurring any liability to the registered Manufacturers.
4. We confirm that we are not blacklisted by any state government or central government/department/ agency in India from participating in bids for last three financial years.
5. We agree to keep the quality of the registered VLT models and support the customers whenever required.
6. We confirm that we will train all the RFCs to distribute the certified VLT models of our products.

Sincerely,

(Signature, name and designation of the authorised signatory) (Contact no. including, phone no., fax, email and contact address)



Annexure - B. Application Form for Registration of RFC

Annexure - B.

Application Form for VLT Registration  
Format for VLT Application Form  
( on the official letter head of RFC)

Date:

To,  
State Transport Commissioner, Punjab,  
SCO-177-178, Sector 17 C,  
Chandigarh.  
E-mail ID: [vltpunjab@gmail.com](mailto:vltpunjab@gmail.com)

Sub: Registration of RFC for selling VLT devices of OEM registered in Punjab, for the Public Vehicles

Sir,

We have fully understood the requirements of the process " Registration of RFC for selling Vehicle Location Tracking Unit (VLTD) devices of OEM registered in Punjab for Public Vehicles " and are submitting our registration application for the following VLT device(S) being manufactured by (Name of OEM of VLTD )with the required details, other information as per the registration process and the compliance report for VLT specification and protocols

RFC Name	
Address	
VLT device model number(s) registered by OEM	
Contact Person details of RFC (If different from undersigned)	

*[Handwritten Signature]*

In relation to our application, DTPB may also note the following:

1. Our application is unconditional and all information provided in the application is true and correct.

2. We hereby declare that we will only sell AIS-140 compliance VLT model of manufacturer registered in Punjab complies with the specifications as set out in the registration process document and we shall make available any additional information as DTPB may find necessary as required for clarification.
3. We acknowledge the right of DTPB to reject our application without assigning any reason and accept the right of DTPB to cancel the registration process at any time without incurring any liability to the registered Manufacturers.
4. We confirm that OEM & their VLT devices registered in Punjab are not blacklisted by any state government or central government/department/ agency in India from participating in bids for last three financial years.
5. We agree to keep the quality of the registered VLT models and support the customers whenever required.
6. We confirm that we will arrange all infrastructure requirements as per terms & conditions of this document
7. We confirm that we will arrange trained manpower for fitment of VLT device and its activation/integration with Backend/CCC.

Sincerely,

(Signature, name and designation of the authorised signatory) (Contact no. including, phone no., fax, email and contact address)



## Annexure - C. List of Submissions/documents

Annexure - C.

### List of Submissions for Manufacturer

#### 1. Details of the VLTD Manufacturer

- a. Name of the Company
- b. Place of Incorporation
- c. Date of Incorporation
- d. Address of Head Office/ branch offices, if any
- e. Details of VLT devices manufacturing facilities (also mention whether owned or contracted its capacity, third party etc)
- f. Certificates of agencies, manufacturing facility (like ISO, CE etc)
- g. Brief description of the Company including details of its main lines of business.
- h. Details of production facilities (area, machinery, manpower, production capacity).
- i. Website details /URL
- j. Particulars of the authorised signatory of the Company including name designation, address, phone no, mobile no, fax and e-mail

#### 2. Documents in support of compliance of the Manufacturer with regard to criteria mentioned in this document.

- a) Certificate of Incorporation issued by the competent authority with copy of registration documents.
- b) Demand Draft towards the Application fee.
- c) Demand Draft towards Performance Bank Guarantee.
- d) Statement of Compliance reports.
- e) Two sample VLT devices with related documents ( with device brochures; Do"s and Don"ts; user manuals; device protocol(s)/API documents

explaining all the messages, fields and their values; other certifications for VLT devices standard's compliance and eSIMs and their details)

Any other document mentioned in terms & conditions document.

### List of Submissions for RFC

#### 3. Details of the RFC

- a. Name of the firm/company
- b. Address of RFC
- c. Details of registered OEM and their VLT devices to be sold in Punjab)
- d. Letter of Authorization Issued by registered OEM of VLT device/s in Punjab
- e. Details about infrastructure available at RFC
- f. Details about trained manpower appointed
- g. PAN and GST number of RFC
- h. Particulars of the authorised signatory of the firm including name designation, address, phone no, mobile no, fax and e-mail

#### 4. Documents in support of compliance of the RFC with regard to criteria mentioned in this document.

- a) Certificate of Incorporation issued by the competent authority with copy of registration documents..
- b) Demand Draft towards the Application fee.
- c) Demand Draft towards Performance Bank Guarantee.
- d) Statement of Compliance reports.
- e) Two sample VLT devices with related documents ( with device brochures; Do"s and Don"ts; user manuals; device protocol(s)/API documents explaining all the messages, fields and their values; other certifications for VLT devices standard's compliance and eSIMs and their details)

Any other document mentioned in terms & conditions document.

*V. Singh*

## Annexure - D. Terms and Conditions Governing Registration

Annexure - D.

### Terms and Conditions Governing Registration

- 1. Commercial arrangement of VLTs between Manufacturers and registered RFC and Vehicle Owners** - Any commercial or other arrangements/ agreements between the registered manufacturer/ RFC and the vehicle owners (customers) shall be as mutually agreed between them. The price of the certified VLT device and all other terms and conditions including those related to warranty, AMC, nature of service etc shall be as mutually agreed by and between the Manufacturer/ registered RFC and the vehicle owners. DTPB shall have no role, responsibility and liability in relation to the same.
- 2. Response Time** - If any complaint is raised against the installed VLT device, then the concerned registered manufacturer/ RFC should resolve the complaint as per guidelines for implementation mentioned in the document.
- 3. Monitoring and Audit** - Once the registered manufacturer/ RFC is authorised/ approved, DTPB shall have the right to monitor/audit the certified VLT devices installed in the Vehicles and the service and support provided with a view to ascertain their continued compliance with the terms and conditions governing the registration.
- 4. Cancellation of Registration** - If any fault is found or any complaint received from end user customers, then DTPB shall take actions against the registered manufacturer/RFC and have the right to suspend or cancel the registration/registration issued to that particular VLT model.
- 5. Liability** - Registered manufacturer/RFC shall be liable and responsible for performance of the VLT devices supplied to the Vehicle owners.



6. **Jurisdiction** - Any issues related to registration of VLT or licensing of agencies are governed by the laws established in India and competent to deal with disputes, if any, arising out, the court in Chandigarh alone have jurisdiction to lay any matter relating to this registration.
7. **Dispute** - In case of any dispute related to technical (operational testing), the decision of DTPB shall be final and binding.
8. **Use of Trademark/ Logo of DTPB** - Manufacturer shall not use the DTPB logo or any other trademark, symbol, or icon on or in connection with the registered GPS Devices or any of the manufacturers VLT devices including those on its packaging, manuals, promotional and/or advertising materials, or for any other purpose without an express written permission from DTPB.
9. **Notice** Any notice or other communication to be given by a party to the other under, or in connection with the matters contemplated by or under the registration shall be in writing and shall be delivered by hand/ registered post/ courier at the notified address of the party concerned.

*Virend*

**Bank Guarantee Format for Performance Security**

**Beneficiary: Transport Commissioner, Transport Department, Punjab**

Date: .... [Insert date of issue of BG].....  
PERFORMANCE BANK GUARANTEE No.: ... [Insert guarantee number] ...  
PERFORMANCE BANK GUARANTEE Amount: ... [Insert guarantee amount] ...  
Manufacturer: ... [Insert manufacturer Name and Address]/  
RFC: ... [Insert RFC Name and Address]...  
Guarantor: .... [Insert name and address of the issuing Bank]....

1. The Manufacturer/RFC named above has entered into above referred contract with the Beneficiary, for the supply of VLT and / or Services as defined in the said VLT manufacturer/RFC registration. According to the conditions of the VLT manufacturer/RFC registration, a performance security is required to be furnished by the manufacturer/RFC to the Beneficiary for due performance of the contract.
2. At the request of the Applicant, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount of Rs 20,000,00/- (for Manufacturer) Rupees twenty lakhs only], and an amount of Rs 1,00,000/- (for RFC) one lakh only] upon receipt by us of the Beneficiary's demand stating that the manufacturer/RFC is in breach of its obligation(s) specified in the registration document, without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.
3. We do hereby undertake to pay the amount due and payable under this Guarantee without any demur, merely on a demand from the Beneficiary / Government. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this Guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs of 20,00,000/- ( Rupees twenty lakhs only)(in case of manufacturer/Rs 100,000 ( Rupees one lakh only)(in case of RFC)
4. We undertake to pay the Government any money so demanded not withstanding any

dispute or disputes raised by Manufacturer/RFC(s) in any suit or proceeding pending before any Court or Tribunal relating thereto liability under this present being absolute and unequivocal.

5. The payment so made by us under this Bond shall be a valid discharge of our liability for payment there under and the manufacturer/RFC shall have no claim against us for making such payment.

6. We further agree that the Guarantee here in contained shall remain in full force and effect during the period that would be taken for the performance of the said Contract including Guarantee/ Warrantee period and that it shall continue to be enforceable till all the dues of the Government under or by virtue of the said Contract have been fully paid and its claims satisfied or discharged.

7. We further agree with Government that the Government shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and condition of the said Contract or to extend time of performance by the said Manufacturer/RFC (s) from time to time or to postpone any time or from time to time powers exercisable by the Government against the said manufacturer/RFC and to forbear or enforce any of the terms and condition relating to the said Contract and we shall not be relieved from our liability by reason of any such variation, or only extension being granted to the said manufacturer/RFC or for any forbearance, act or omission on the part of the Government or any indulgence by the Government to the said manufacturer/RFC or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

8. Notwithstanding anything contained herein above our liability under the Guarantee is restricted to Rs. ....and shall remain in force until .....

9. This Guarantee will not be discharge due to be change in the constitution of the Bank or the manufacturer/RFC.

10. We lastly undertake not to revoke this Guarantee during its currency except with the previous consent of the Government in writing.



Registration of Vehicle Location Tracking  
(VLT) Devices in Punjab

Dated.....  
For.....  
(Indicate the name of the Bank )  
Signature.....  
Name of the Officer .....  
Designation of the officer.....  
Code no.....  
Name of the Bank and Branch.....

*Handwritten mark*

**Registration of Vehicle Location Tracking (VLT) Devices in Punjab**

**Annexure - D. Sample format for certificate**



**FITMENT CERTIFICATE/DEPARTMENT COPY**

To,  
The Regional Transport Authority,  
PBO2

Fitment Certificate No: 64666au  
Fitment Date: 17/04/2019  
Next Calibration Date: 16/04/2020

This is to certify that the Electronics VTS device/ VTS fitted with approved GRL Vehicle Location Tracker (VLT) as per the details given below. It is checked, sealed and is functioning in all manners, unless the device is tampered, having not proper GSM/GPS signals or the seal is broken by unauthorized technician or individual.

**Vehicle Details :-**

Vehicle No	: xxxxxxxx	Registration Date	: yyyyyyy	Date of mfg. Year	: AAAAA
Chassis No	: xxxxxxxx	Vehicle(Make)	: yyyyyyy	Last Fitness Date	: AAAAAAAA
Engine No	: xxxxxxxx	Vehicle(Model)	: yyyyyyy		

**Dealer Details :-**

Dealer Name &	XXXXXXXXXX	Dealer Address	: BBBB BBBB
Trade No.	11111111	Tech. Info	: XYZ
Tech. Name	BBBBBBBB		

**VLT Details :-**

VLT Serial No	: 865205035131	VLT Type	: Electronic	VLT Model	: A/S140 Sample
Fitment Certificate No	: 17CT29A104198652050351375	Seal No		Testing Agency	: KAT
Fitment Date	: DDMMYY	TAC No	: TAC1	Test Report No	: 67549
Invoice No	: ML	Invoice Date	: XXXXX	Test Report date	: 01/01/1970
Serial No	: 00000011	Exp Date	: XXXXXX	Manufactured	: GRL
		UniqueID	: ABC789		

**Fitment Images:-**



RC



Vehicle



Device Installation



Certificate Details

RTO Sign & Seal

**PRODUCT SATISFACTION REPORT**

I, XYZ certify that my vehicle, PBXX1234 has been fitted with Electronic VLT bearing serial number and I'm satisfied with the working performance of VLT. I have verified that all the sealing points of the VLT has been verified by me.

Date	: XXXXX	Name of the Customer	: XXXXX
Time	: XXXXX	Driving License No/Passport No	: XXXXX
Place	: XXXX	Mobile Number	: XXXXX

-----End of Document-----

*Signature*

