

APPENDIX I

1.0 Information Required

1.1 Vehicle Registration

Prior to transmitting data to PTMS server, vehicle tracking vendors are required to first register their users' data with LPJ. Registration is done manually via MSEXcel. Below is the information required for vehicle registration:

Item	Description	Mandatory	Example
Company Name	User Organization Name	Yes	Johor Port Logistics
Vehicle Plate Number	Vehicle Plate Number	Yes	ABC123
Vehicle Make	Type/Brand	No	Volvo
Vehicle Model	Model	No	FM400

1.2 Data Streaming

Once registered, vehicle tracking vendors may begin streaming data to the below:

IP Address : **210.48.155.139**

Port : **9001**

Mode : **UDP**

Sample String :

>ROTGPS, WUA7818, 29-03-2013,01:04:57,Time,On,Good,3.1242599786,101.5943865828,90,North<

Item	Description	Data Type	Example
Header	Sender identity – vehicle tracking vendor acronym. For eg: ABC Sdn Bhd(ASB)	Char	ROTASB
Mobile Description	Vehicle plate number	Char	WUA7818
Date	Day-Month-Year DD-MM-YYYY	Date	29-03-2013
Time	Hour-Minute-Second HH-MM-SS (UTC +8:00) Kuala Lumpur, Singapore	Timestamp	18:04:57

Event	<p>Time : Normal vehicle reporting at every X interval</p> <p>Speed : Vehicle current speed</p> <p>Alarm : Distress signal</p> <p>Engine_Off : Vehicle ignition is switched off</p> <p>Engine_On : Vehicle ignition is switched on</p> <p>Idling : Vehicle has engine on but speed is 0</p> <p>To send ONE status only</p>	Char 4-10	Engine_On
Engine	<p>Engine status – switched on or off</p> <p>To send ONE status only</p>	Char 2-3	On
GPS	<p>GPS antenna status – signal good or bad</p> <p>To send ONE status only</p>	Char 3-4	Good
Latitude	WGS84 format – up to 10 decimal places	Decimal	3.1242599786
Longitude	WGS84 format – up to 10 decimal places	Decimal	101.5943865828
Speed	Speed is in km/h	Int	80
Bearing	<p>Direction of vehicle:</p> <p>North</p> <p>South</p> <p>East</p> <p>West</p> <p>North East</p> <p>North West</p> <p>South East</p> <p>South West</p> <p>To send ONE status only</p>	Char 4-9	North

2.0 Coordinates

Data that will be processed is only within these coordinates:

Pasir Gudang Area

Point	Latitude	Longitude
Point 1	1°26'06"N	103°53'05"E
Point 2	1°28'49"N	103°53'21"E
Point 3	1°28'44"N	103°56'26"E
Point 4	1°25'42"N	103°56'14"E

Below is a screen capture of area that is bordered by the above coordinates:



Data that will be processed is only within these coordinates:

Pelabuhan Tanjung Pelepas

Point	Latitude	Longitude
Point 1	1°19'39"N	103°32'47"E
Point 2	1°22'33"N	103°32'20"E
Point 3	1°22'44"N	103°34'16"E
Point 4	1°19'52"N	103°34'08"E

Below is a screen capture of area that is bordered by the above coordinates:



Any data streamed outside these borders will not be processed. However, should the tracking vendors be unable to filter, this will be done once data is streamed to PTMS server.