



USER ACCEPTANCE TEST (UAT) DOC.

CSE Metasat Applications

1-Real Time Web Portal for PCs

2-Smartphone Mobile App (IOS- Android)

3-Lite App for tablet devices

4-Scoring Web

5-Security

Introduction

Purpose of Document

The purpose of this document is to provide a comprehensive check list to ensure end to end functionality of the CSE Metasat Connected fleet applications. It is intended that this document provide an efficient way of recording test cases.

- *To test the CSE Metasat applications.*
- **Real Time Web Portal for PCs**
 - www.cse.com.my/csemetasat
- *To test the following functionalities:*
 - *Monitoring*

This function allows customers to follow current positions of their fleet.
 - *History*

Here it is possible to view vehicle route for selected time interval (up to one month)
 - *Geofence*

This function allows user to create special shaped objects (Geo-fences) on the map, to control crossing the borders of Geo-fence by the vehicle.
 - *POI*

POI (point of interest) is a kind of Geo-fence looking like a dot on the map. System detects visiting Poi as crossing 200 meters radius around it.
 - *Notifications*

Here it is possible to set user notifications on monitoring events: moving in/out geo-fence, visiting POI, speed limit, stops.
 - *Maps*

Here it is possible to choose a kind of a map to use. Google map, Google satellite map, Nokia map, Nokia Jams map and OpenStreetMap are available.
 - *Reports*

Here it is possible to generate detailed reports to assist users in managing their fleet
 - *Account Profile*

This function allows customers to create and edit users.

- **Smartphone Mobile App (IOS- Android):**

To test the following functionalities:

- a. Main page

Displays the features and functions available in the mobile app.

- b. Commands

This menu sends commands to the device (Position request, Service Mode On, Transport Mode On Active Mode On)

- c. Map

This function allows customers to follow current positions – live tracking- tracking history of their vehicles .

- d. Score

The Score menu allows you to check all your trips, driving scores per trip, driving events and overall driving score.

- e. Status

provides various information on the vehicle and device

- f. Messages

All messages notifications and events sending by system.

- g. History of events

Provides a brief outline of the events relative to the last 24 hours of use of the vehicle.

- **Lite App for tablet devices :**

www.cse.com.my/csemetasat/lite

To test the following functionalities:

- a. Main Page

Displays the features and functions available in the mobile app.

- b. Map

This function allows customers to follow current positions of their fleet.

- c. Historical

Here it is possible to view vehicle route for selected time interval (up to one month)

- d. Geo-fence

This function allows user to create special shaped objects (Geo-fences) on the map, to control crossing the borders of Geo-fence by the vehicle.

- e. POI

POI (point of interest) is a kind of Geo-fence looking like a dot on the map. System detects visiting Poi as crossing 200 meters radius around it.

f. *Notifications*

Here it is possible to set user notifications on monitoring events: moving in/out geo-fence, visiting POI, speed limit, stops.

g. *Maps*

Here it is possible to choose a kind of a map to use. Google map, Google satellite map, Nokia map, Nokia Jams map and OpenStreetMap are available.

o *Mobile phone/tablet application*

Allows customers to control their fleet via mobile phone/tablet.

• **Metasat Scoring portal:**

www.cse.com.my/csemetasat/ubi

To test the following functionalities:

Vehicles List info.

Driver Rating and Scoring

Accident Reconstruction Report

• **Security**


Real time alerts automatically generated by the system in case of battery disconnection, towing and device sabotage.

Checked by:

Name:	
Date:	
Signature:	

- Real Time Web Portal for PCs (www.cse.com.my/csemetasat)

No	Test Functions	Expected Result	Functioning (Y/N)	Remarks
Monitoring				
1	Check current position of the vehicle on Map	Current position in application equal real position of the vehicle.		
2	Check Tracker vehicle Information	The route since last stop is shown. New position appears online. last point , address..		
3	View vehicle and device status.	Vehicle and device statuses are correct. (Ignition, Car battery voltage, mileage etc).		
4	Brief route request: a) Last 24 hours b) Last 7 days	System shows real route of the vehicle and vehicle information, playback route, Driving Style (from safe to aggressive) 🚗, speed along the route 📏 (from 20 Km/h to 100 km/h)		
5	View tracker's info: 🚗 a) General info (Contract, rate plan) b) Events history	a) Tracker's info is correct b) The list of last events (alarms, commands etc) is correct		
6	Edit tracker's name 📝	New tracker's name is shown in application.		
7	Commands. Send position request command. 📍	The command was sent. Vehicle position is updated in application.		
8	Create trackers group	New trackers group is available in monitoring panel.		
9	Search a tracker in a list	The filter shows only trackers equal the criteria.		
History				
1	Request a route	System shows real route of the vehicle.	Y or N	
2	Show/hide route.	The route shows/hides on the map.		
Geofence				
1	Create group of Geo-fences.	The new group of Geo-fences is created.		
2	Create Geo-fence area selected.	The new Geo-fence is visible on the map.	Y or N	



3	<p>Edit Geo-fence:</p> <ul style="list-style-type: none"> a) Change name b) Change shape and color c) Change group d) Delete Geo-fence.  	<ul style="list-style-type: none"> a) Changes apply correctly. b) Changes apply correctly. c) Changes apply correctly. d) Geo-fence is deleted. 		
	POI			
1	Create group of POIs	The new group of POIs is created		
2	Create POI	The new POI is visible on the map.	Y or N	
3	<p>Edit POI</p> <ul style="list-style-type: none"> a) Change name b) Change group c) Delete POI 	<ul style="list-style-type: none"> a) Changes apply correctly b) Changes apply correctly c) POI is deleted 		
	Notifications			
1	<p>Create speed limit event and notification.</p> <p>Achieve this limit while driving a car.</p>	Email or sms notification is sent.	Y or N	
2	<p>Create Geo-fence event and notification.</p> <p>Drive out from Geo-fence or into it.</p>	Email or sms notification is sent.		
3	<p>Create POI event and notification.</p> <p>Drive through 100 meters radius around the POI.</p>	Email or sms notification is sent.		
4	<p>Create Stops control event and notification.</p> <p>Drive and then stop for not less than 3 minutes.</p>	Email or sms notification is sent.		
5	<p>Create Idling control event and notification.</p> <p>When vehicle stops and engine is running, idling duration can be set.</p>	Email or sms notification is sent.		

Maps				
1	Change a map. Google map, Google Satellite...	The proper map is visible.	Y or N	
2	Information layers. Enable/disable layers visibility. POI, Geo-Fence ,...	The proper layers are visible.		
Reports				
1	Create new report a) Report on mileage b) Report on speed c) POIs report d) Geo-fence report e) Trip report f) Sleep mode g) Stops report h) Events report i) Professional trip report	New report is available a) Shows total mileage during selected period b) Shows vehicle speed statistics. c) Shows POIs visiting history. d) Shows crossing geo-fences history e) Shows trips history of vehicle (since ignition on to ignition off event). f) Shows sleep mode history g) Show stops points history h) Show events history. i) Show trips information * Any reports can be extracted to Excel/PDF/HTML/XML/CSV file	Y or N	
2	View reports archive	Previous reports are available		
3	Delete report from archive	Report becomes unavailable.		
4	Create automatic Scheduler report	Report becomes available every frequency period		
Accounts Profile				
1	View user profile data	User data is available.	Y or N	
2	Edit user profile data	Changes apply correctly.		

Metasat Scoring portal (www.cse.com.my/csemetasat/ubi)

Qtrak Scoring Portal				
1	Vehicles List Info.	The main page displays the list of vehicles along with their scores.	Y or N	
2	Check Tracker Vehicle Information	Vehicle information, driver score and trips style are displayed.		
3	Driving style	Driving style in terms of acceleration, braking and cornering are displayed in form of chart.		
4	Check individual journey analysis	Extended report for every single trip with details, graphics, charts and maps		
5	Check on events/violations	Each violation can be displayed on the map along with Google street view.		

Metasat Smartphone Mobile App (IOS- Android):

Mobile application				
1.	Main page	Current address, ignition status are available at main page.		
2.	Commands			
2.1	Send position request commands. 	Create position report and last data update. 		
2.2	Send Service mode on	Disable all alarms and notifications (should be active in case of car maintenance).		
2.3	Send Transport Mode On	Device will stop to send Tow alarm		
2.4	Send Active mode On	Activates to normal mode and standard operating mode.		
3	Status			
	View vehicle and device status.(Can Edit Odometer-Fuel consumption)	Vehicle and device statuses are correct. (Ignition, Car battery voltage, mileage etc).		
4	Map			
4.1	Check vehicle position. Request a route.	Vehicle position is correct. Route for 2-hours interval is correct.		
4.2	Historical tracking Request	Show Historical tracking on map		

4.3	On Line Tracking	Tracking on line vehicle		
4.4	Street View Maps	Display street photo		
5	Messages			
	View Messages and notifications	The list of last system notifications is available.		
6	History			
	View events history	The list of last 24Hrs events (ignition On/Off, alarms, commands etc) is correct.		
7	Options			
7.1	Account Profile and Change settings	Show Account information, Changing PIN, Changing User Name and password,..		

Security

	Security and Safety Alerts			
1	Car battery disconnection and device sabotage alerts.	<i>System will auto generate alerts and notification SMS - Email - Push Notification (mobile app) when Car battery disconnection or device sabotage.</i>		
2	Towing Alerts	<i>System will auto generate alerts and notification SMS - Email - Push Notification (mobile app) when car towed (ignition off and car move).</i>		

