# Demo Work Status

**(TT231 ITS WC)**

**The following lists are the Completed Screen implementations.**

1. Login Screen
2. Zone Selection Screen
3. CC2 Screen
4. CC2 Merge Screen
5. Individual Screen for
   1. Work order List Screen
   2. Incident IR List Screen
   3. Technical Alarm List Screen
   4. Environmental Monitor System List Screen
   5. Event List Screen
6. MRT Incident Creation Screen
   1. MRT Incident Screen
   2. MRT Incident Creation Screen
   3. MRT Incident Response Screen
7. Incident Creation Screen
   1. Incident (IR) Screen
   2. Incident (IR) Creation Screen
   3. Incident (IR) Response Screen
8. Even Creation Screen
   1. Event Creation Screen
   2. Event Response Screen

**I am working on the following list:**

1. Work Order and Technical Alarms in CC2 Module

- Progress circle display

- Bar Chart display

- New Technical Alarm list Display on the right (bell)

2. Incident Records

- Lanes display

**Pending Tasks**

1. Heavy Traffic Flow
   1. Create VMS message and display on the map (Refer Screen : Figure 3.34 The Heavy Traffic IR Response Section from TT231\_storyboard\_2A.doc )
   2. Send a Failed VMS message to work order(Refer Screen : Figure 3.39 send a failed vms to work order” from TT231\_storyboard\_2A.doc )
   3. Partner and Vehicle Handling (Figure 3.42 Partners & Vehicle Response Tab from TT231\_storyboard\_2A.doc)
   4. VMS Library Window

(Figure 3.80The VMS Library Window from TT231\_storyboard\_2A.doc)

**Need Data for Map and Chart integration**

1. GIS Integration (I need Map and related Data)
2. BIS Integration (I need data to generate a chart)

http://10.180.8.169:8080/itrans/login.jsp

**Functionality Done By**

1. Login and zone selection page background full size - Done
2. In Technical Alarm changed progress bar each 1 minutes
3. In work order changed progress bar and chart based on the edit and delete records
4. Date has to change for Json and 5 set need to create
5. Separate window from the Main Map
6. On top of the Map incident IR / Event IR display will
7. Work on Incident, MRT, Event and Moving IR
8. In MRT IR the Response screen not required
9. For event creation the map points to Sports hub
10. For MRT creation show the start and end station properly
11. Video wall – GIS and BIS will display

**Functionality Done by (May and June)**

1. Add and remove rows in Partners & Vehicle Response page in incident creation (angulajs)
2. In Line graph should grow from the end. Change the graph pattern
3. Select row and delete or implement msg to the map using (angulajs)
4. Create VMS message json for IR module
5. Road work / accident IR / mobile road work IR – new UI window created
6. Choosing the basemap local setup and related GIS functionality done by May and June. Install the software to run basemap and run the wms and wmst layers. Entire GIS part has to setup
7. Local map setup with Dockers and test the basic code
8. All the Layer added using GeoServer
9. Update the VMS message with VMS point on the Map
10. Add the layers
    1. Carriageway Layer, VMS, CTE Layer, CCTV Layer, MRT Station Layer, MRT Line Layer.
    2. Add the each layer style.

# Minutes of Meeting Info

OWA – Operator Workstation Application

## March 19

Mock up design ends by 5/6/2019

Story line highlight – 5/4/2019

Update 25/03/2019

Story Line

* Complete the storyboard
* Close to the design
* Item
  + Core Feature
  + Operation
  + Function
  + Performance
  + Training
  + Benefits (Chian Chian)

1. Height light

1. 3 Screen – to show login page in 3 screens – GIS – C2 Module – BIS
2. IR
3. Event
4. Special Vehicle Tracking (Mobile Road Work)
5. VMS Control
6. Tunnel Semantics
7. BIS (AI / Big Data)
8. Communication (SMS, Email, Fax, Chat box (messenger)

2. Story Line Feature

Acton Items

* GIS Server (Win)
* Benefits [Chian chian]
* Confirm with LTA for feature and story line
* ITSC – [ynmin, Prezi]
* Tunnel Semantic [Sela, Win]
* BIS [Salan , Manju]
* Internal Clearance [Manjula]

Login

GIS

BIS

C2

BIS (Changing graph frequently)

Http (AJAX)

Https - Ajax

Web Socket

Screen 2

Screen 1

## April 9

1. Demo on CC2 Module (get feed map.. need to add
   1. Add dynamic graph
   2. Add Progress bar
   3. Display different set of data based on time interval.
   4. Create dummy data for 5 days – each contains the same date record and next day record
   5. Each grid show event, incident, workorder etc., when we change the menu
2. MRT incident – No response page

## April 17

Use offline map, all setup must be in local.

Map part need to finish soon.

## May 3

GIS part configuration and local setup finalized.

* Geoserver and PostgreSQL
* Openmaptile server and Docker, Kitematic, VM virualBox
* Arcgis API

The base map should be OSM – Bright – openmaptile server

Future updates

1. Mobile app
2. Touch Screen options
3. Where to add Advanced Message and Post Message in Event Creation Page – Tian He
4. Road work – fixed and unfixed
5. Heavy Traffic jam

Screen 1 – GIS

Screen 2 – UI

Screen 3 - BIS

**TODO**

1. **Get some data for Workorder and Technical Alarm from BIS Team**
2. Date time picker

## June 4 2019

(with Seou and Chiann Chiann)

Discussed about Accident incident.

1. Machine learning system (MLS) used to proposed lane detail
2. For accident choose CTE Express way to show the proposed lane detail to change the route.
3. Use orange color to show the traffic and change red color accident area and show green color proposed lane detail.
4. CTE – connected TMD with TTD show the approx. timing.

## June 17 2019

(with Oscar, Chee Sung, Chiann)

1. Changing the MLS – June 4 th was not correct. Proposed system shows in different message not on the 3 screens.
2. New field added in the accident UI window –
   1. Direction list field
   2. Congestion end point text field
   3. Accident type list – new item added
   4. Removed RSH button from the lane blockage

## June 20 2019

(Chee Sung, Chiann)

1. Prediction functionality newly added
   1. The screen show 3 different scenario with VMS and traffic light details
   2. Map has to show the scenario list based on the selection.
   3. Traffic points need to show on the map
   4. Pictogram Image has to display on the pop template.
   5. Based on the scenario the

Red, amber, green color changed every 5 seconds

80%, 60%, 50%

* 1. Speed link data.

## June 27 2019

(with Veera, Hidi, Grace, Chee Sung, Chiann, Chiann, Celine)

1. Comments about login Screen
   1. Redesign the login page. Change the font, image, welcome message
   2. Login should be right corner
   3. The page has to show pie chart with all the incident in the form for PIE chart
   4. BIs part also show in the form of GIS chart
2. Traffic Measure speed data. And layer map has to be displayed
3. C2 module button and bold check, alignment check on event list
4. Create 3D GIS Map
5. Traffic condition and instance condition use (city brain website)
6. Based on the scenario the

Red, amber, green color changed every 5 seconds

80%, 60%, 50%

From Celine

**Demo ITSWC**

* To redo the login page, not impressed
  + Background image needs to be changed
  + Consistency on the words
  + Welcome text : to change to “Welcome to… user”
* C2 module
  + Text is in bold or not ? not consistent
  + Too many colours and not sharp enough for the status (open, closed)
  + Alignment issues
  + Colours in pie chart not nice looking
  + Compared to other countries screens, important information should be in bigger size
  + For the dates in Events : start and end width column to check, not the same
* GIS MAP: Create a 3D map with traffic conditions on Singapore island. To work with BIS and GIS team on the map and dashboards.
* Incident record / Prediction : After scenario nothing / 1 / 2 : simulate the traffic roads on the map (80% red, 60% red, 50% red)
* Sopra Steria and LTA logos to include in the demo
* To take example of other countries (Google)

9 July 2018

Change in venue. It will be held at ITSC meeting room 3.

Sopra Steria to show ITSWC i-transport2 demo for review to DTTech and ITSDV management.

## July 9 2019

(with Chee Sung, Chiann, Chiann, LTA - Grace Ong, Mook Choong, Chye Guan, Leong Liang, Kok Wee oh, Zhen Hong, Seoh Huei - ITSC 3-1 Meeting Room)

Incident and Event

More visualization on the map and less operator changes

More feature on itransport 2, new functionality

What is the functionality after road closure

Delay time has to be changed to 30 minutes.

Icons has to be changed, Accident icon, vms, camera etc.,

Special feature like moving the vehicle, display vms message on the map.

Font color has to be changed as white in command control windows.

I have done the following changes after getting LTA Comments

1. Command Control view font style color has to be changed to white color
2. The Map has to implement by the following functionalities near the accident location.
   1. Traffic speed layer loaded on the map (traffic speed covered nearby accident location)
   2. VMS loaded on the map with equipment ID and vms Message.
   3. CCTV shows the video on the map (sample video)
   4. Traffic prediction window displayed on the left side.

Please provide the exact traffic condition video.

Now I am working on BIS module, using the following document to implement the BIS module.

Infographics\_conclusion\_v5(with comments).ppt