

IGV Comms Pack

For Hauliers & All Port Users

IGV Operational Behavior & Safety Capabilities

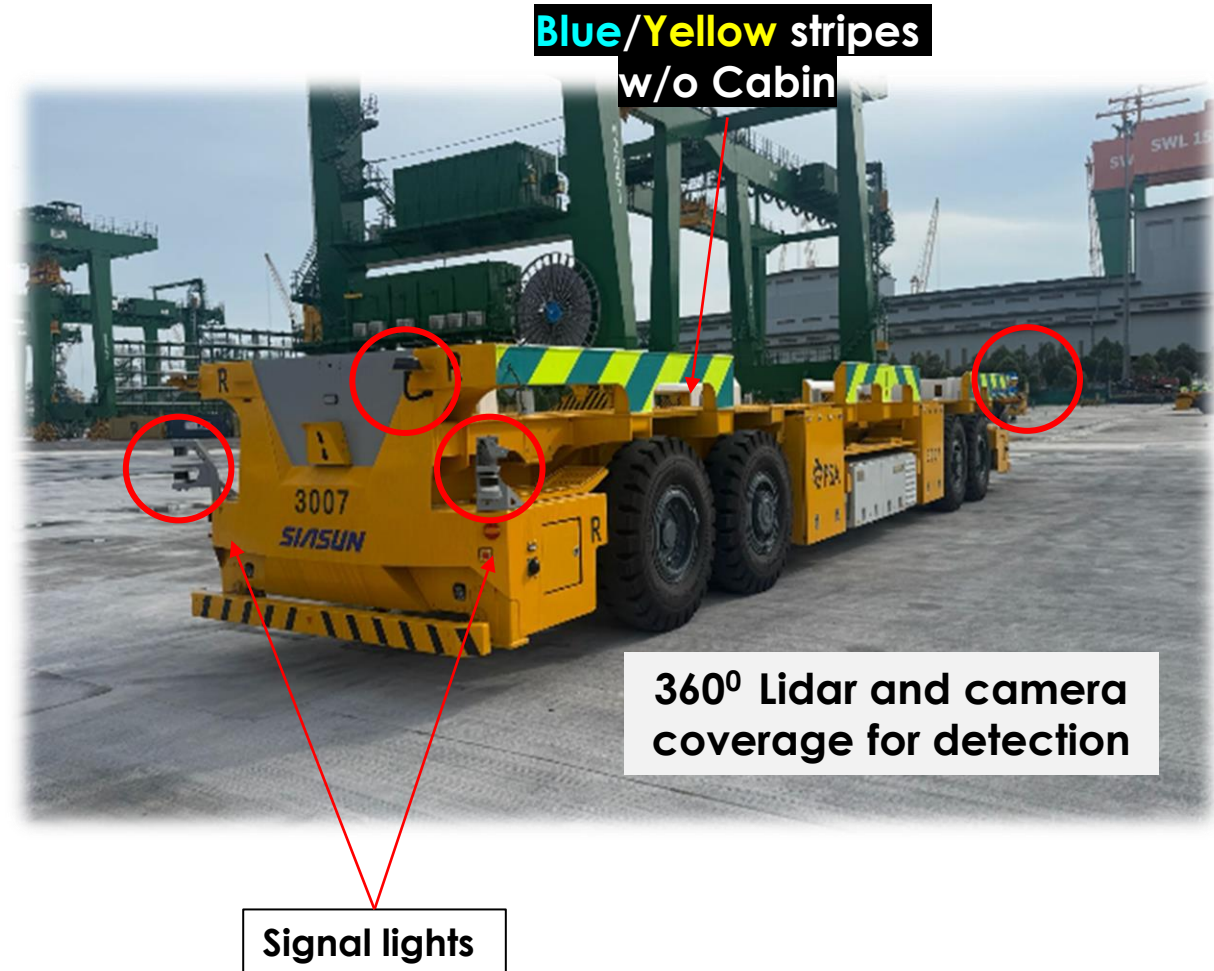
Compliant with PSA traffic rules and Safe Work Procedures

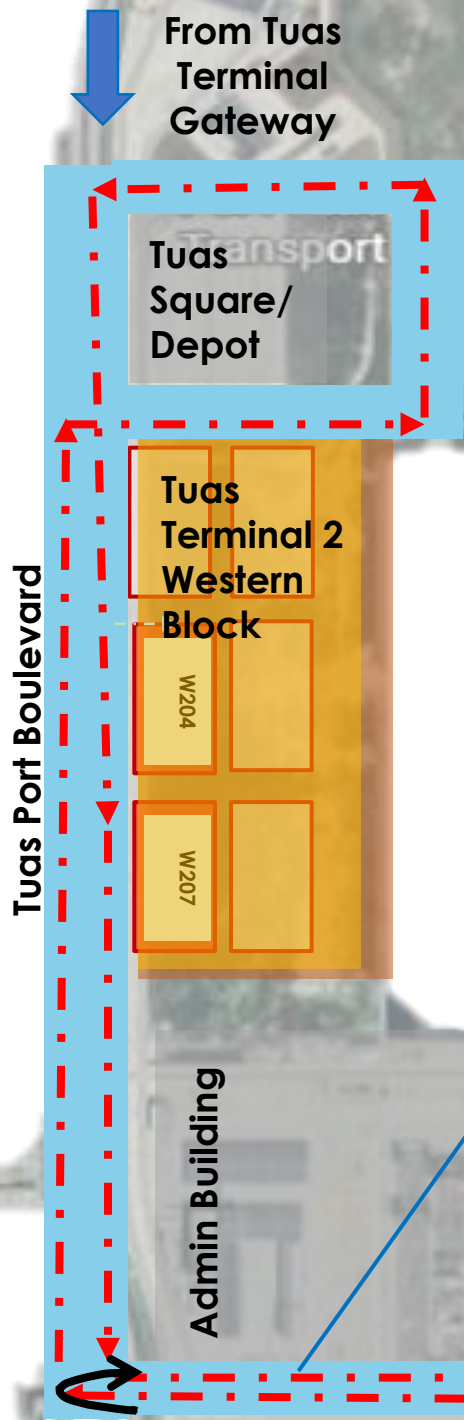
Intelligent Guided Vehicle (IGV)

- 1) 8-wheeler vehicle with chassis
- 2) Driverless
- 3) Able to co-exist with manned trucks
- 4) Blue and Yellow stripes consistent with PPT APM colors.

Expected IGV behaviours

- 1) Driving along main roads up to 25km/h
- 2) Lane changing capabilities
- 3) Interaction with traffic lights and pedestrian at crossing
- 4) Uses standard vehicle lighting signals
- 5) Dual directional and reverse action expected at End Feed





IGV Travel Footprint

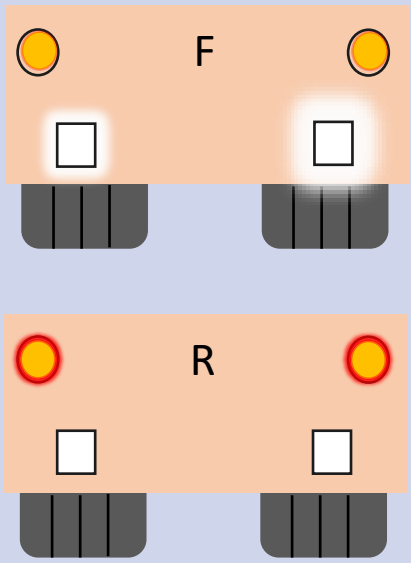
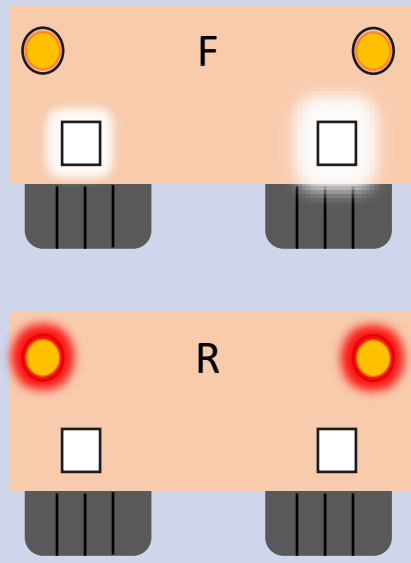
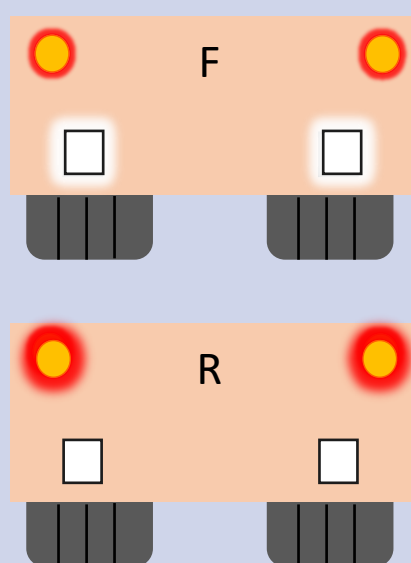
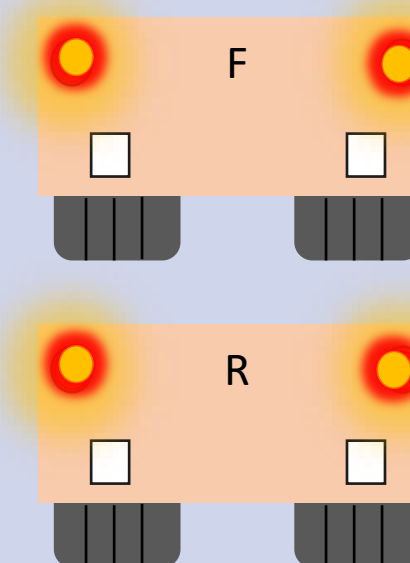
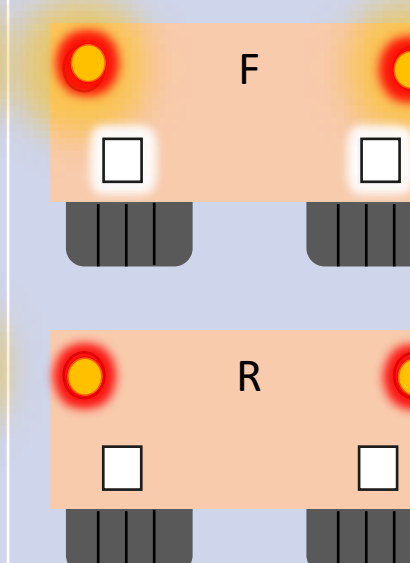
Represented by the blue region

IGV moves along the blue path with manned drivers



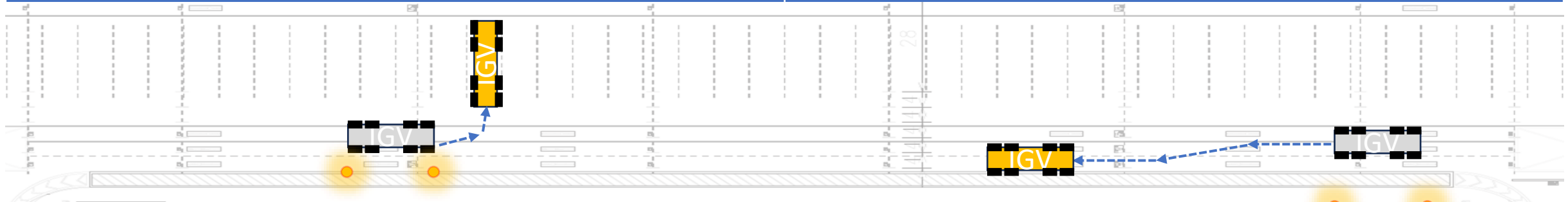
IGV Travel Route
IGV U turn location

IGV Signals and Lighting Expectations

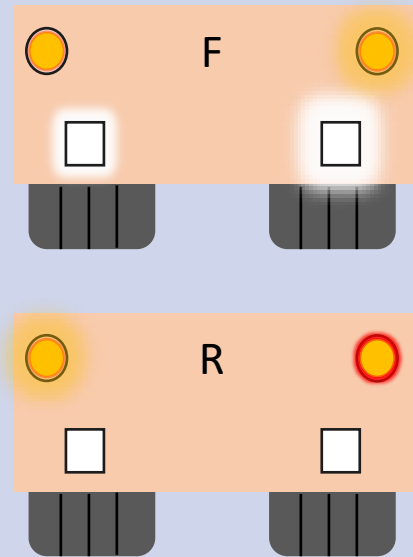
Moving Straight	Slow Down [By Mechanical Brake]	Stationary (no Exception)	Stationary (exception)	Stationary (At Zebra Crossing and detect Pedestrian crossing intent)
 a) Front White Headlamp b) Rear Red Headlamp (low intensity)	 a) Front White Headlamp b) Rear Red Headlamp (high intensity)	 a) Front white headlamp b) Front Red Headlamp (Low intensity) c) Rear Red headlamp (high intensity)	 a) Front red headlamp (High intensity) b) Rear red headlamp (High intensity) c) Blinking Orange Signal. *Hazard light	 a) Front red headlamp (High intensity) b) Rear Red headlamp (high intensity) c) Hazard Light on in the front only

IGV Signals and Lighting Expectations

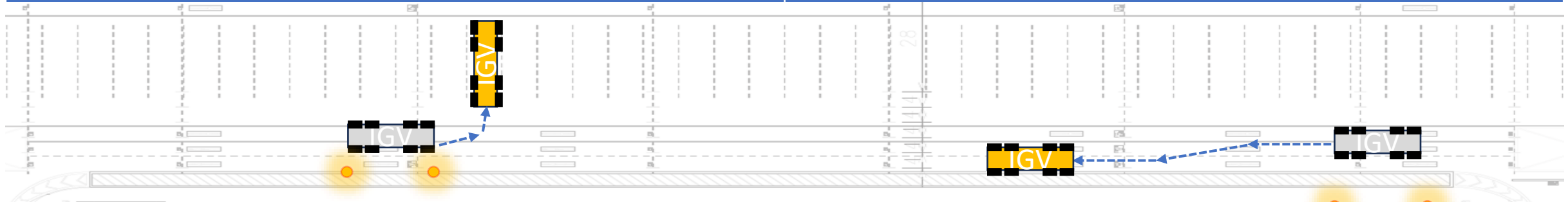
Turning



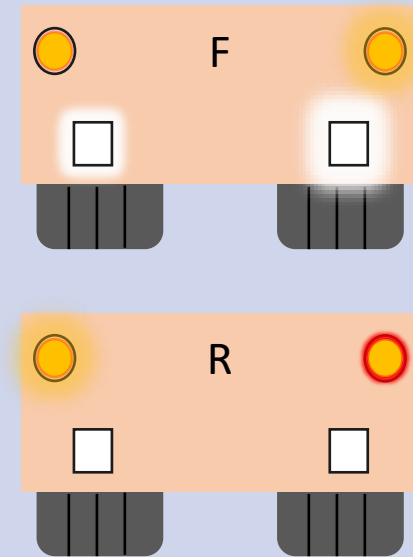
Blinking Orange
Signal towards the
direction of turn



Lane Change



Blinking Orange
Signal towards the
direction of lane
change



Key Safety pointers for Public User

G.L.A.D

- a) **Give way** when IGV is already turning out from intersections or during lane changing
- b) **Look out for the signal Lights displayed on IGV** to anticipate IGV movements
- c) **Always maintain safety distance** from IGV while driving
- d) **Do not tamper** with IGV's hardware (cameras, sensors etc)

In the event port users encounter IGV with unexpected behavior, please call Control center : **9831 5739**

The End