



Jurong Island Vision Zero Forum – Traffic management to stay safe

27 June 2023

SCIC
SINGAPORE CHEMICAL
INDUSTRY COUNCIL

ASPRI
Connect · Engage · Grow
towards A Sustainable PRocess Industry

**Introduction to Joint Stakeholders Committee on
Safe Transportation of Migrant Workers**





INTRODUCTION - Ching Wai Shun (Shell), Co-Chair of Joint Stakeholders Committee on Safe Transportation of Migrant Workers

Singapore

22 people taken to hospital after accident between bus and car on Jurong Island Highway



A screenshot of a video circulating on social media showing a bus toppled on its side and the front of the car crushed after an accident on Jurong Island Highway. (Photo: Facebook/Adrian Tan)

10 men taken to hospital after accident on Upper Bukit Timah Road; second lorry crash in 4 days



By TESSA OH

Published APRIL 25, 2021
Updated APRIL 25, 2021



It shows the lorry lying on its side.

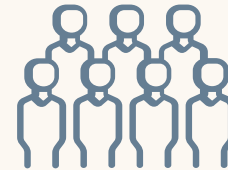
PIE accident leaves 1 foreign worker dead, 16 injured



In a Facebook video, several men were seen lying on the road, surrounded by at least two ambulances and a fire engine. PHOTOS: SCREENSHOTS FROM FACEBOOK

SCIC
SINGAPORE CHEMICAL
INDUSTRY COUNCIL

ASPRI
Connect · Engage · Grow
towards A Sustainable Process Industry



Joint Stakeholders Committee on Safe Transportation of Migrant Workers

Chartering An Industry Aligned Roadmap





To embrace and lead a change in workers transportation to improve the wellbeing and safety of our migrant workers



Desired outcome:

- a.) Workers are transported in safe, sheltered vehicles with seatbelts
- b.) Workers are ferried by drivers that are competent and with safety in their hearts & minds.

Approach	Hardware	Software
Action	Transit from the use of lorries to sheltered vehicles	Drivers' management to ensure their optimum conditions
Objective	Adequacy of preventive and physical protection measures in-place to safeguard and minimise the impact of consequences	Mindset and culture that drives safe driving practices: educating (awareness), monitoring (behaviour) and intervene (where necessary) to ensure optimum condition of drivers





**As-Is,
before 2022**

From 2022

TIMELINE

Most companies do not specify requirements on ferrying workers in buses (*Hardware*)

Jan 2023 Govt – advisory on safe transport of workers (*Software*)

Create greater awareness and commitments among industry

Existing controls are in place within the site boundaries where workers are ferried by lorries (*Software*)

Industry Guidance Document on Good Practices in the Management of Drivers

Identify potential solutions in addressing hardware implementation
(*Logistics/Scheduling/ Cost*)

Guidelines on practices put in place on selection criteria of drivers (*Software*)

Share good practices among companies



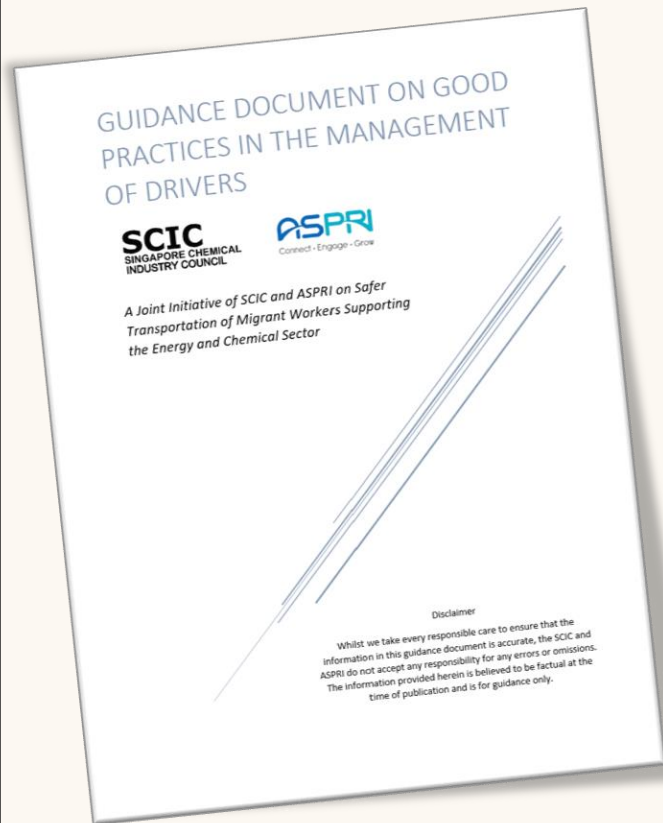
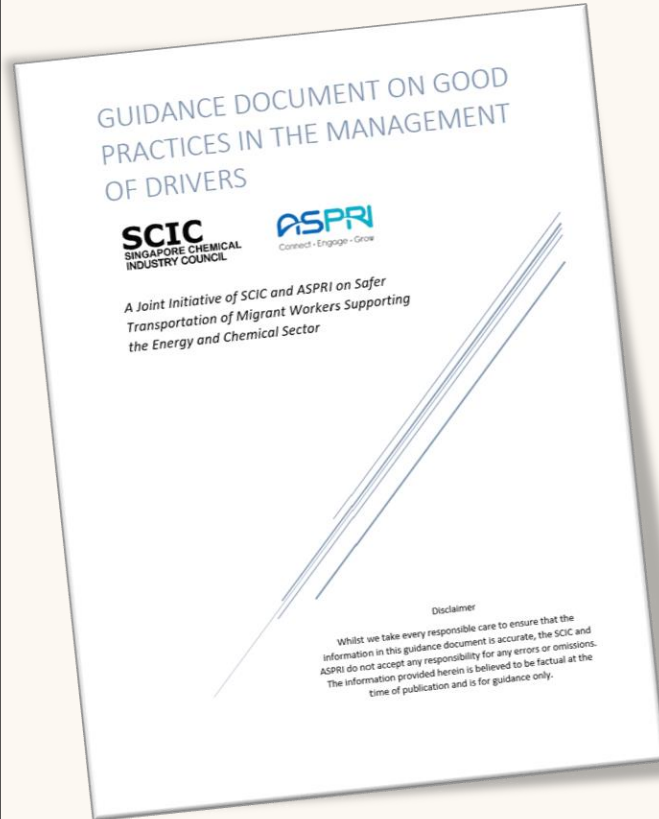


Table of contents

01	The Role of Driver	02	Role of Driver's Company Management <ul style="list-style-type: none">• Recruitment of Drivers• Fatigue Management
03	Managing Man-Equipment Segregation	04	Vehicle Buddy
05	Use of Technology	06	Courtesy driving

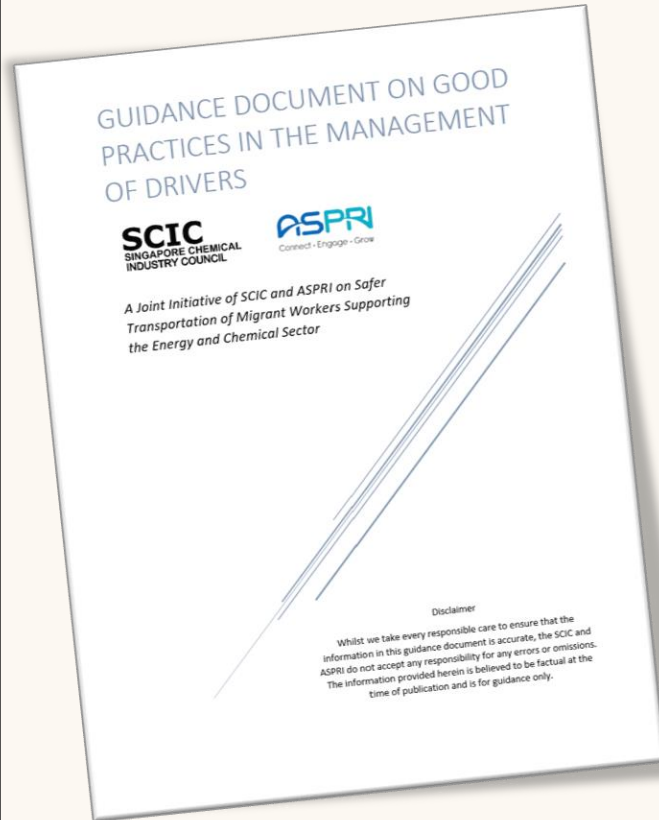




Role of Driver's Company Management

- Conduct drivers screening checks at recruitment, reward good driving behavior
- Set the right tone and culture to emphasize the importance of safety
- Deploy 'Vehicle Safety Technology' (VSTs) to improve driving safety
- Provide at least a 30-minute rest period who have worked for at least 6 hours in their work shift prior to driving workers
- Designate a "vehicle buddy" to sit in the cabin beside the driver; vehicle buddy to support driver on safe driving practices
- Be prepared to activate a back-up driver where necessary
- Provide avenues for reporting unsafe driving

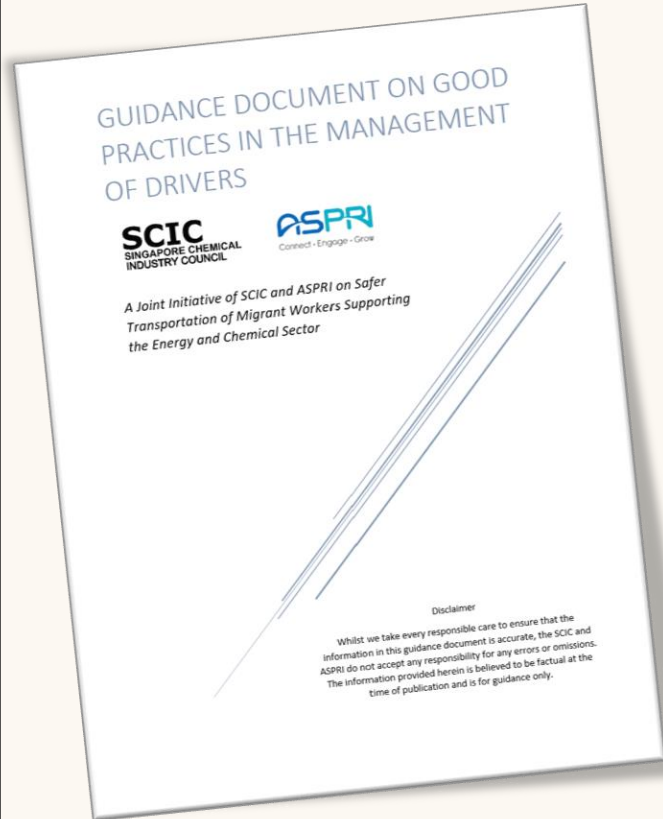




Role of Driver

- Always drive within the posted road speed limit or the vehicle speed limit
- Must not hold mobile device in hand or use mobile devices while driving
- Inform immediately if feel unfit to drive (e.g. unwell, drowsy from medication)
- Before driving - Perform check on condition of the vehicle, check workers are seated properly before moving off.
- When driving - Always stay focused on the road, adopt safe driving habits (e.g. no harsh turning, acceleration/braking, slow down at road humps, keep a longer safe distance for longer braking distance)
- When vehicle stops at a destination - Pull handbrake, make sure vehicle comes to a complete stop before letting passengers alight

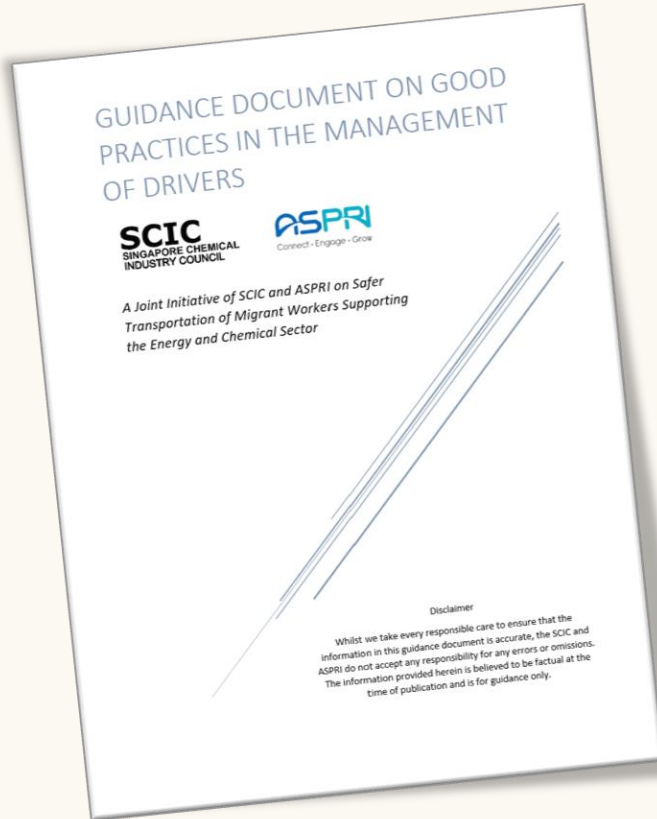




Fatigue Management

- Drivers to take periodic short breaks
- Limit maximum continuous driving hours or work hours per day
- No more than 12 hours a day, including overtime, for drivers of lorries transporting workers
- Plan for the driver's breaks schedule
- Allocate a designated rest area for drivers
- Vehicle Buddy to act immediately should they observe that driver is fatigue or unfit to drive (e.g. under the influence of alcohol or drugs, experiencing extreme hunger, feeling unwell)





Vehicle Buddy

- Check the driver is fit to drive before moving off
- Alert the driver of any road traffic situation
- Remind drivers to be alert at all times and to drive safely (e.g. stay within speed limits, be patient, no reckless driving etc)
- Assist the driver to handle phone calls
- Assist the driver to look out for obstruction, hazard, or danger
- Assist the driver with navigating to the destination, to allow the driver to focus on driving





About the Road Safety Campaign – Cheng Beng Kwang, Member of Joint Stakeholders Committee on Safe Transportation of Migrant Workers

SCIC
SINGAPORE CHEMICAL
INDUSTRY COUNCIL

ASPRI
Connect · Engage · Grow
towards A Sustainable PRocess Industry



Raising Safety Awareness



Adherence To Regulations



Encouraging Courtesy Driving



Surfacing Appropriate Technology

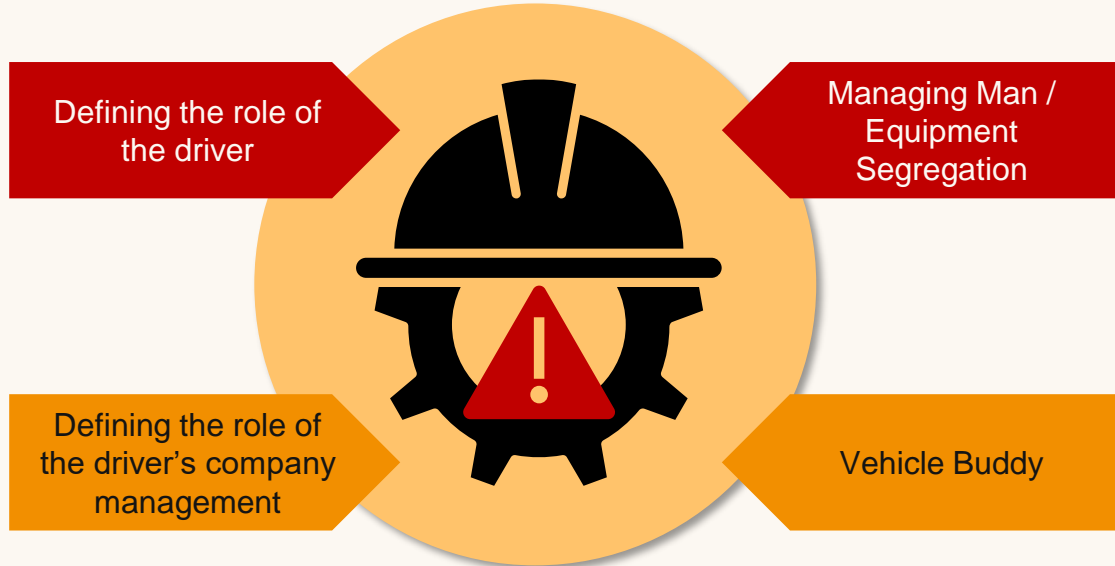


Encouraging Resource Pooling



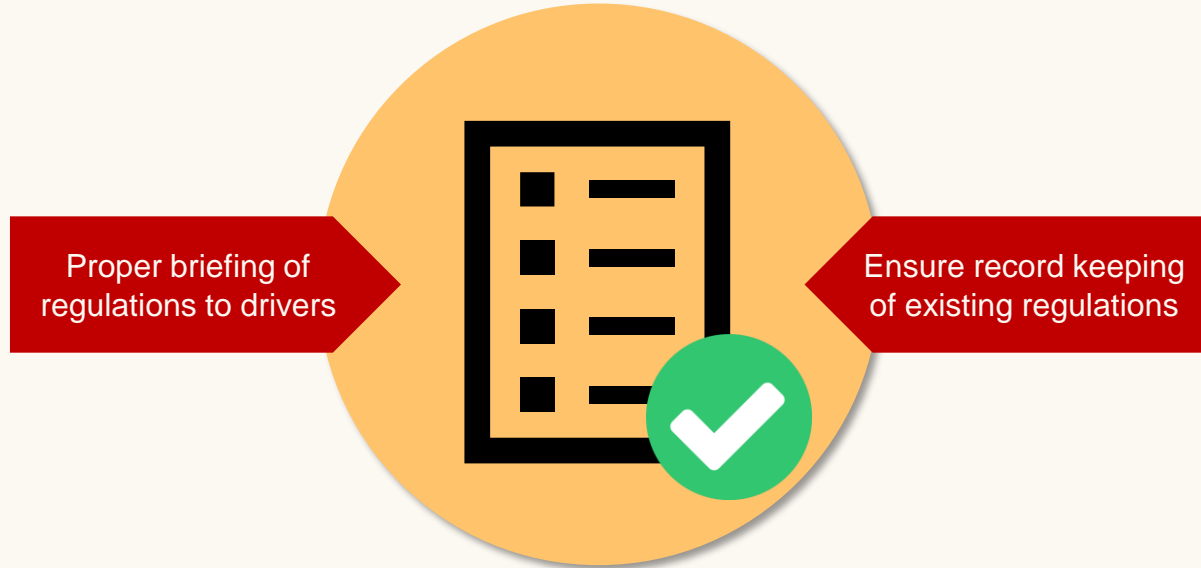


Raising Safety Awareness





Adherence To Regulations





Encouraging Courtesy Driving

Promoting Singapore Road Safety (SRSC)'s 5 key elements of a good and safe driver:



Space

Respect

Foresight

Patience

Considerate





Surfacing Appropriate Technology

To identify common
vehicular safety
technologies



To elaborate on the
benefit of such vehicular
safety technologies





Encouraging Resource Pooling

To identify potential 3rd
party transportation
service provider(s)



To elaborate on the
benefit of such vehicular
safety technologies





About the Road Safety Campaign

SCIC
SINGAPORE CHEMICAL
INDUSTRY COUNCIL

ASPRI
Connect · Engage · Grow
towards A Sustainable Process Industry

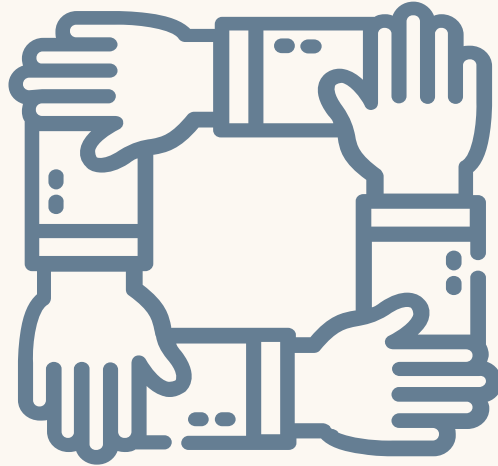
Upcoming

Join our road safety campaign! More details to be released soon!





Proactive



Joint Commitment

Collaborative Efforts

Conducive Outcomes





Thank You!

