Hydrogen Mobility Webinar

QLD Safety Requirements

26 October 2021
## Agenda

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Item</th>
<th>Responsible person</th>
<th>Timings</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Housekeeping</td>
<td>Nancy Norton</td>
<td>10.00 am</td>
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<tr>
<td>2.</td>
<td>Introduction and purpose of meeting</td>
<td>Bill Date</td>
<td>10.15 am</td>
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<td>3.</td>
<td>Scope for meeting</td>
<td>Nancy Norton</td>
<td>10.30 am</td>
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<td>4.</td>
<td>Hydrogen Safety Queensland</td>
<td>Nancy Norton</td>
<td>10.35 am</td>
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<td>5.</td>
<td>Hydrogen Operating Plants Refuellers and Delivery Networks</td>
<td>Tony O’Connor</td>
<td>10.45 am</td>
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<td>6.</td>
<td>Working with Hydrogen Gas Devices – Licences and Authorisations</td>
<td>Paul Beaumont</td>
<td>11.00 am</td>
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<td>7.</td>
<td>Q&amp;A</td>
<td>All attendees</td>
<td>11.15 am</td>
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<tr>
<td>8.</td>
<td>Next steps</td>
<td>Bill Date</td>
<td>11.45 am</td>
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<tr>
<td>9.</td>
<td>Meeting close out</td>
<td>Bill Date</td>
<td>11.50 am</td>
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Welcome and Introductions – Bill Date
Purpose

The purpose of this webinar is to discuss the proposed Hydrogen Safety Code of Practice and how it relates to mobility.

P&G recognises the need to amend legislation to better incorporate and clarify requirements for Hydrogen

P&G are proactively engaging industry to ensure the Code of Practice is an enabling document that promotes a safe hydrogen industry
Scope

Today's webinar is focused on Mobility

Mobility includes the refuelling station and the vehicle or vessel

This area has been selected as the focus area as this is where current gaps exist and projects are already live
Hydrogen Safety Queensland

Hydrogen for Industry – existing users
Chemical, Food Processing, Agriculture

WHSQ are lead safety regulator

Green Hydrogen Production

Hydrogen Production from fossil fuels

Natural Gas / Coal → H2 Extraction → CO2 Capture

Hydrogen Production from fossil fuels

Hydrogen for heat

PGI are the lead safety regulator

Hydrogen for export

WHSQ are lead safety regulator

Hydrogen for Energy Storage & Power Generation

PGI are the lead safety regulator

Hydrogen as a transport fuel – trains, trucks, buses, marine vessels, aviation

Petroleum & Gas Inspectorate

Resources Safety & Health
Queensland
Hydrogen Operating Plants

Hydrogen Suppliers are operating plant

Hydrogen Refuellers are Operating Plant

Fuel gas supply to a consumer must be odourised

Fuel cells in vehicles or stationary power supply are Type B gas devices

Operating Plant require a safety management system
The operator is responsible for managing risk
Standards may be used where relevant to determine minimum requirements
### Working with Hydrogen Gas Devices

**Fuel cells** in vehicles or stationary power supply are **Type B gas devices**

<table>
<thead>
<tr>
<th>Type B Gas Devices</th>
<th>Authorisations</th>
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<tbody>
<tr>
<td>Fuel cells are Type B gas devices</td>
<td>Gas Work Authorisation (GWA) can be issued to an individual or company Persons with appropriate skills, qualifications and knowledge can work under a company GWA</td>
</tr>
<tr>
<td>Type B gas devices require approval by an appropriate Gas Device Approval Authority (GDAA)</td>
<td>GDAA can be issued based on skills, qualifications and knowledge demonstrated by applicant</td>
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<tr>
<td>The fuel cell forms part of a gas system on the vehicle</td>
<td>GWA does not require person to have a gas licence</td>
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<tr>
<td>To install and work on Type B devices person requires a Gas Work Authorisation (GWA)</td>
<td>Code of Practice will provide information on type of skills, qualifications and experience required to obtain a GWA for hydrogen</td>
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Questions

Enter Questions in the Chat box

Additional questions can be sent to hydrogensafety@rshq.qld.gov.au

*Note: the mailbox will not be monitored during the webinar*
Next Steps

- Registration of interest: OCT 2021
- Information webinar: OCT 2021
- Draft Code of Practice published: JAN 2022
- Code of Practice published: MAR 2022
- Industry feedback on discussion paper: OCT-NOV 2021
- Regulation amendments to call up CoP: 31/03/2022

Timeline:
- 1/10/2021
- 1/01/2022
- 31/03/2022