

## AHC TECHNICAL COMMITTEE: SCOPE AND PRIORITIES

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### Purpose

To provide a forum for members to engage and collaborate on the safe use and handling of hydrogen and fuel cell technologies in Australia, and to inform AHC's advocacy efforts with governments.

### Scope

1. Represent the industry on technical and regulatory hydrogen safety matters, including production, transport, dispensing, usage and export hydrogen (gas, liquid and intermediates).
2. Work with government agencies and regulators to develop appropriate Australian hydrogen safety regulations, codes and standards.
3. Promote best practice to end users (including consumers and technicians) with a focus on Australian regulations, codes and standards.
4. Support and promote vocational education resourcing and training to ensure an appropriately skilled workforce for working with hydrogen.
5. Provide an industry interface on hydrogen technical matters for external bodies and consumers, including municipal approving authorities, emergency response services and other industry bodies.
6. Provide general technical advice and guidance to Committee members as appropriate and reasonable.
7. Provide appropriate advice to other AHC committees for broader policy and communications.

### Administrative aspects

Current chair: Fiona Simon (AHC)

Meeting frequency: Quarterly

Format: 3x teleconference; 1x in person p.a.

Membership: All members + Chair

Agenda setting: Chair (with Secretariat support)

Minute taking: Secretariat

Meeting scheduling: Secretariat

Member reporting: Chair (at each Member Meeting)

## 2020 focus areas

Focus areas for 2020 are shown in the table below. These are addressed by working groups, with work undertaken throughout the year under the direction of a working group chair, who is in turn accountable to the Committee chair.

The TC also maintains information repositories on:

- Hydrogen-related standards for AHC members and external party use; and
- TC member skills and capacity to provide advice.

#	Item	Detail
WG7	ME-093	Support Standards Australia's ME-093 project through participating in the relevant technical committee, and initiate process of standards adoption.
WG8	Government regulatory policy development	<ol style="list-style-type: none"> <li>1. Provide input into governments' assessment and development of hydrogen-related regulations, codes and standards.</li> <li>2. Provide input to governments' understanding of 'hydrogen-ready' capabilities for planning and regulatory approvals.</li> </ol>
WG9	Skills and training	<ol style="list-style-type: none"> <li>1. Work with the Australian Industry and Skills Committee on hydrogen-related reviews and updates of training packages.</li> <li>2. Provide input to state and territory governments on a system of automatic mutual recognition across jurisdictions for hydrogen-related occupations under equivalent occupational licenses or registration.</li> <li>3. Work with the South Australian Government on nationally consistent training materials and guidelines for procedures to do with the production, handling, transport and use of hydrogen.</li> <li>4. Work with regulators to ensure they have adequate understanding of hydrogen infrastructure, projects and technologies.</li> <li>5. Support and input into establishment of a certification system for gas fitters (or similar) to be validated for working on hydrogen.</li> </ol>
WG10	Vehicle Standards	<p>Support and input into Federal Government activity to incorporate European standards into local ADRs and Australian-specific vehicle requirements (such as emissions labels, onboard H2 storage inspection/re-testing).</p> <p><i>In hibernation for rest of 2020</i></p>

## National Hydrogen Strategy agreements: TC coverage and priorities

#	Topic	Topic heading	Agreement (federal and state/territory governments)
27	Regulatory reform	Responsive regulation	4.1 Agree for each jurisdiction to review its existing legislation, regulations and standards as needed to determine whether their respective legal frameworks can support hydrogen safety and hydrogen industry development.
29	Regulatory reform	Responsive regulation	4.3 Agree to coordinate reviews of legal frameworks where practical, and work together to: <ul style="list-style-type: none"> <li>• Support the development of standards for the hydrogen industry, including technical safety standards, noting the role of Standards Australia</li> <li>• Consider and evaluate regulatory models to address and support: <ul style="list-style-type: none"> <li>– hydrogen safety, noting the role of SafeWork Australia and state-based safety agencies</li> <li>– hydrogen industry development</li> </ul> </li> </ul> with the aim of developing a nationally consistent approach as far as practicable <ul style="list-style-type: none"> <li>• Where necessary, amend existing legislation and regulations or draft new legislation to address hydrogen safety and support hydrogen industry development.</li> </ul>
30	Regulatory reform	Shared principles for nationally consistent regulation	4.4 Agree to seek national regulatory consistency for any new regulations associated with hydrogen, that follows the COAG Principles of Best Practice Regulation.
31	Regulatory reform	A coordinated approach to planning and regulatory approvals for hydrogen projects	4.5 Agree to develop and incorporate 'hydrogen-ready' capabilities into planning and regulatory approvals mechanisms where required.
50	Skills and training	Skills and training for the hydrogen economy	5.5 Agree to ask the Australian Industry and Skills Committee to bring forward the hydrogen-related reviews and updates of training packages if Industry Reference Committees recognise an urgent need for this work be completed.
52	Skills and training	Skills and training for the hydrogen economy	5.7 Agree that state and territory governments could consider a system of automatic mutual recognition across jurisdictions for hydrogen-related occupations under equivalent occupational licenses or registration.

#	Topic	Topic heading	Agreement (federal and state/territory governments)
53	Skills and training	Hydrogen training for Australian emergency services	5.8 Agree to ask the Australian Industry and Skills Committee and Public Safety Industry Reference Committee to update training packages for hydrogen safety, including the Public Safety Training Package that contains training materials and guidelines for managing of emergencies. This training package will be updated by creating or importing hydrogen-related units, drawing on work by the International Association for Hydrogen Safety (HySafe) and the U.S. Center for Hydrogen Safety. To enable this process, COAG Energy Ministers will write to the Chair of the Skills Council, which directs the work of the Australian Industry and Skills Committee.
54	Skills and training	Hydrogen training for regulators	5.9 Agree to review training and upskilling arrangements for regulators to ensure they have adequate understanding of hydrogen infrastructure, projects and technologies.
28	Regulatory reform	Responsive regulation	4.2 Agree to consider the principles and prioritisation criteria set out in the preliminary legal review, and the legislation, regulations, and standards it identified when undertaking the reviews outlined in 4.1.
49	Skills and training	Skills and training for the hydrogen economy	5.4 Agree to develop nationally consistent training materials and guidelines for procedures to do with the production, handling, transport and use of hydrogen. The South Australian Government will work with agencies and industries from other states and territories to develop these guidelines and training materials and facilitate knowledge sharing on safe work practices.
51	Skills and training	Skills and training for the hydrogen economy	5.6 Agree to work together with industry to ensure in the longer term (2025–2030): <ul style="list-style-type: none"> <li>• Industry Reference Committees are reviewing, updating and developing units of competency and qualifications, as hydrogen becomes relevant to the training packages of more industry sectors</li> <li>• Clear pathways are established between hydrogen-related education and training and hydrogen-related employment, including recognition of prior learning and credit</li> <li>• Clear and accurate information is available to anyone interested in hydrogen-related education, training and careers.</li> </ul>