

artibus INNOVATION

Developing industry skills.

Case for Change – Fire Protection, Inspection & Testing

October 2016

Version 1.0

Contents

RTO:.....	4
INDUSTRY:.....	4
LEARNERS – TECHNOLOGY:	5
REGULATORS:.....	5

Fire Protection, Inspection and Testing

October 2016

Review, of two Qualifications in the *CPP Property Services Training Package*, has been supported, validated and nominated as a priority by key stakeholders

The proposed Qualifications are:

- CPP20511 Certificate II – Fire, Protection, Inspection and Testing; and
- CPP30811 Certificate III - Fire, Protection, Inspection and Testing

WHICH UNITS OF COMPETENCY?

The following Units of Competency will be transitioned to the *2012 Standards for Training Packages*:

Unit of Competency Code	Unit Title
CPPCMN2002A	Participate in workplace safety arrangements
CPPCMN2003A	Provide effective client service
CPPFES2003A	Safely move loads and dangerous goods
CPPFES2004A	Identify types of installed fire safety equipment and systems
CPPFES2005A	Demonstrate first attack firefighting equipment
CPPFES2006A	Prepare for installation and servicing operations
CPPFES2007A	Maintain quality of work and promote continuous improvement
CPPFES2010A	Inspect and test fire hose reels
CPPFES2011A	Install portable fire extinguishers and fire blankets
CPPFES2016A	Inspect, test and maintain delivery lay flat fire hoses
CPPFES2020A	Conduct routine inspection and testing of fire extinguishers and fire blankets
CPPFES2021A	Inspect, test and maintain fire extinguishers
CPPFES2025A	Inspect, test and maintain gaseous fire
CPPFES2026A	Inspect and test emergency and exit lighting systems
CPPFES2027A	Inspect, test and maintain non-gaseous pre-engineered fire-suppression systems
CPPFES2029A	Conduct functional tests on fire detection, warning and intercommunication devices
CPPFES2035A	Identify, inspect and test fire and smoke doors
CPPFES2037A	Inspect and test fire hydrant systems
CPPFES2039A	Identify, inspect and test passive fire and smoke containment products and systems
CPPFES2043A	Prevent ozone depleting substance and synthetic greenhouse gas emissions
CPPFES2047A	Inspect and test control and indicating equipment

CPPFES2048A	Receive and dispatch scheduled gaseous fire-extinguishing agents
CPPFES2049A	Conduct recovery, reclaim and fill operations for scheduled gaseous fire-extinguishing agents
CPPFES2050A	Monitor storage operations for scheduled gaseous fire-extinguishing agents
CPPCMN2002A	Participate in workplace safety arrangements
CPPCMN3001B	Participate in environmentally sustainable work practices
CPPFES2003A	Safely move loads and dangerous goods
CPPFES2004A	Identify types of installed fire safety equipment and systems
CPPFES2005A	Demonstrate first attack firefighting equipment
CPPFES2006A	Prepare for installation and servicing operations
CPPFES2007A	Maintain quality of work and promote continuous improvement
CPPFES2047A	Inspect and test control and indicating equipment
CPPFES3024A	Inspect and maintain portable foam-generating equipment
CPPFES3032A	Conduct enclosure integrity testing
CPPFES3038A	Inspect, test and maintain portable fire monitors
CPPFES3040A	Install passive fire and smoke containment systems
CPPFES3042A	Install and commission pre-engineered fire-suppression systems
CPPFES3044A	Interpret installation requirements for gaseous fire-suppression systems
CPPFES3045A	Install gaseous agent containers and actuators
CPPFES3046A	Decommission gaseous agent containers and actuators

WHAT THIS MEANS FOR YOU

Industry and its enterprises will benefit by having a Training Package which addresses the technical changes that have occurred within the industry and the new provisions as prescribed in Building Code of Australia 2014 Standards.

RTO:

- An increased uptake and utilisation of the Qualifications.
- Provision of an updated training package product to meet the requirements of these Qualifications in response to changes and requirements of the industry – resulting in increased professionalism of the Fire Protection industry.

INDUSTRY:

- The creation of industry defined and supported nationally recognised qualifications.

- Provision of greater confidence in the integrity and effectiveness of fire safety systems as minimising risk as public safety is paramount.
- Provision of a quality occupational outcome for the industry, reflecting contemporary skilling needs of current and future job roles.
- Recognition of the updated requirements and relevance of product aimed at improving the performance of Fire Protection Technicians.
- Closing the skills gaps in employees meeting and understanding the inspection and testing requirements for all Essential Safety Measures, to foster a greater understanding of the requirements of compliance.

LEARNERS – TECHNOLOGY:

- Facilitate a potential career pathway from Cert II to Cert III and beyond.

REGULATORS:

- There may be impact on licensing implications for some jurisdictions.
- Better reflection of the regulatory requirements in all jurisdictions with regards to the maintenance of essential safety measures.

WHAT LEAD TO PREPARING THIS CASE FOR CHANGE?

- There is an immediate requirement to upgrade the two Certificates to the 2012 Standards for Training Packages.
- Several essential safety measures related to fire safety are not adequately addressed by the current training package or other Units of Competency from other Qualifications, resulting in the potential for work being undertaken by unqualified individuals.
- The Qualifications should reflect the changes occurring specifically relating to the inspect and test requirements of fire protection life safety systems.
- Greater flexibility needs to be built into the Qualifications to allow for different licensing requirements across jurisdictions and for delivery in both urban and regional areas and skill sets should be explored as a possible mechanism to address this.
- There is a need to up skill employees to understand and recognise the importance of compliance.
- The competencies in the current Qualifications don't reflect the changes that have occurred at both the industry and regulatory levels.

- There are a number of Units of Competency which need to be addressed – in some cases new competencies need to be created, while others need to be incorporated into other units and some have become obsolete.
- There is a need to define articulation linked to roles and responsibilities with the Certificate II more clearly reflecting of the set of basic skills and knowledge required, while the Certificate III should reflect the more complex knowledge and skills required, this is currently not the case.
- Changes suggested in the *Scoping Study* to the CPP20511 Certificate II – Fire, Protection, Inspection and Testing and CPP30811 Certificate III - Fire, Protection, Inspection and Testing received a high level of support from the wider industry and RTO stakeholder groups.
- There are consistent views across the industry of the need for change.

HOW IS THE REVIEW PROCESS BEING MANAGED?

To Date:

- Preliminary face to face consultations with key stakeholders including Chris Wyborn, Engagement and Education Manager, Fire Protection Association Australia (FPA); Ms Carmel Coate, Director Education and Training, National Fire Industry Association, Mr. Rob Miles, Quality Training Manager, Chubb Fire & Security Pty Ltd;
- Discussions with regulators, in particular Ryan Peters, Principal Licence Entitlement Officer from QBCC, given that the qualifications are linked to licensing in Qld and changes are being instigated in Queensland relating to future licensing requirements;
- Consultation with STAs and the relevant State and Territory Industry Advisory organisations;
- Incorporating outcomes of the *CPSISC Scoping Study for the CPC08 Plumbing and Services Qualifications and the CPP07 Fire Protection, Inspection and Testing Qualifications*, completed in July 2015, demonstrating detailed and thorough industry consultation;
- Analysis of the NSW Government’s “Building Professionals Act Review 2015”- the Lambert Review;
- Review of the coroner’s report in relation to the Bankstown apartment block fire which resulted in death and injury and the need to review assessing fire safety systems for commercial buildings and apartment blocks;
- A desk top audit identifying the gaps in content and structure to align to the 2012 Standards for Training Packages;

- An analysis of our online forums and stakeholder relationship management database (SRM);
- Consideration of FPA Australia's detailed mapping of the training available against the suite of Essential Safety Measures prescribed by each state and territory regulator (formerly published in Part I of the Building Code of Australia).

Coming Up:

- Work will commence as soon as the AISC has approved the Business Case and commissioned the work;
- The technical team will begin further consultation particularly with regulators, SMEs and key stakeholders identified by the STAs beginning late November 2016;
- A technical writing team will be established to undertake both the transitioning and updating of units of competency to meet changes required by industry e.g. combining of units, new units developed etc.
- Consult with State and Territory Governments on the draft endorsed components;
- Make drafts available on the Artibus website and upload draft to TPCMS;
- Develop a Draft Case for Endorsement and revise the Companion Volume Implementation Guide;
- Validate that the draft product being submitted for endorsement has met industry's identified needs and the 2012 Standards for Training Packages with Industry/stakeholders through targeted consultations, website forums and newsletters, including the IRC;
- Undertake a quality assurance review incorporating equity and editorial reviews;
- Upload a draft Case for Endorsement to Artibus Innovation website; and
- Submit a Case for Endorsement to the Department of Education and Training by April 2017.

The Units of Competency listed below as to be considered as additional units to meet changes in work practice and regulations.

Unit code	Core / Elect	Unit title
CPPFES2XXX	Core	Organise and schedule routine service activities
CPPFES2XXX	Core	Undertake routine service activities in accordance with regulatory requirements*
CPPFES2XXX	Core	Complete routine inspection records and report to clients
CPPFES2XXX	Core	Identify work hazards and implement risk control strategies
CPPFES3XXX	Elective	Conduct functional water flow testing of a fire hydrant system
CPPFES3XXX	Elective	Conduct annual service of a compression ignition driven fire pumpset
CPPFES3XXX	Elective	Conduct annual service of an electric motor driven fire pumpset
CPPFES3XXX	Elective	Replace hose reels upstream from the gate valve
CPPFES2026A	Elective	Inspect and test single point emergency and exit lighting systems
CPPFES3XXX	Elective	Undertake battery capacity testing
CPPFES3XXX	Elective	Undertake detector testing and verification
CPPFES3XXX	Elective	Undertake complex maintenance activities on fire detection and alarm systems
CPPFES3XXX	Elective	Conduct complex functional testing of fire hydrant systems
CPPFES3XXX	Elective	Check and verify fire hazard properties
CPPFES3XXX	Elective	Inspect and verify fire-rated glazing
CPPFES2XXX	Elective	Inspect means of egress and fire safety signage
CPPFES3XXX	Elective	Inspect and test specialised water based fire sprinkler systems
CPPFES2XXX	Elective	Inspect and test water storage tanks
CPPFES3XXX	Elective	Maintain water storage tanks
CPPFES2XXX	Elective	Inspect and Test Smoke Alarms and Heat Alarms
CPPFES3XXX	Elective	Inspect and test emergency lifts
CPPFES2XXX	Elective	Inspect and verify critical emergency evacuation elements
CPPFES3XXX	Elective	Inspect, test and verify operation of bushfire safety measures