

# 8202-35 – Level 3 Advanced Technical Diploma in Plumbing(450)

2018

## Qualification Report

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## Introduction

This document has been prepared by the Chief Examiner and Principal Moderator; it is designed to be used as a feedback tool for centres in order to enhance teaching and preparation for assessment. It is advised that this document is referred to when planning delivery and when preparing candidates for City & Guilds Technical assessments.

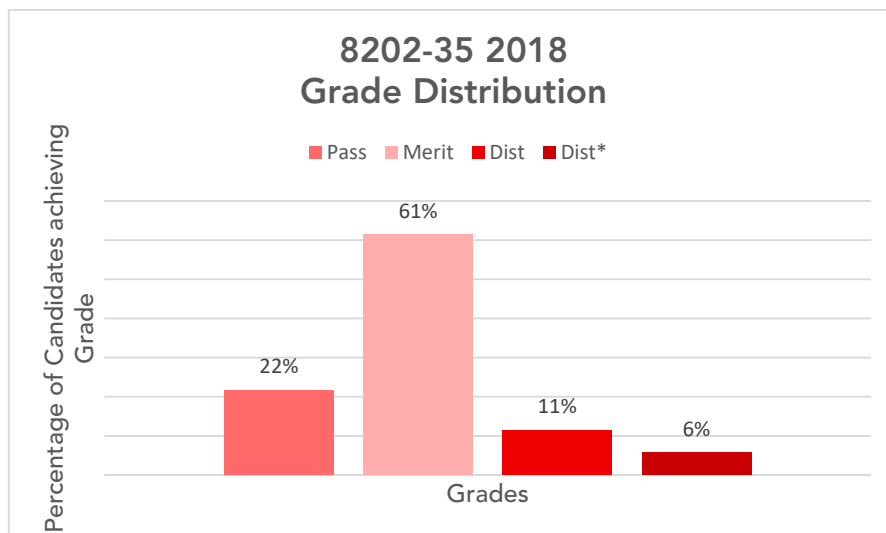
This report provides general commentary on candidate performance in both the synoptic assignment and theory exam. It highlights common themes in relation to the technical aspects explored within the assessment, giving areas of strengths and weakness demonstrated by the cohort of candidates who sat assessments in the 2018 academic year. It will explain aspects which caused difficulty and potentially why the difficulties arose.

The document provides commentary on the following assessment;

- 8202-035/535 Level 3 Plumbing – Theory exam
  - March 2018 (Spring)
  - June 2018 (Summer)
- 8202-036 Level 3 Plumbing– Synoptic Assignment

## Qualification Grade Distribution

The grade distribution for this qualification is shown below;



Please note City & Guilds will only report qualification grades for candidates who have achieved all of the required assessment components, including Employer Involvement, optional units and any other centre assessed components as indicated within the Qualification Handbook.

# Theory Exam

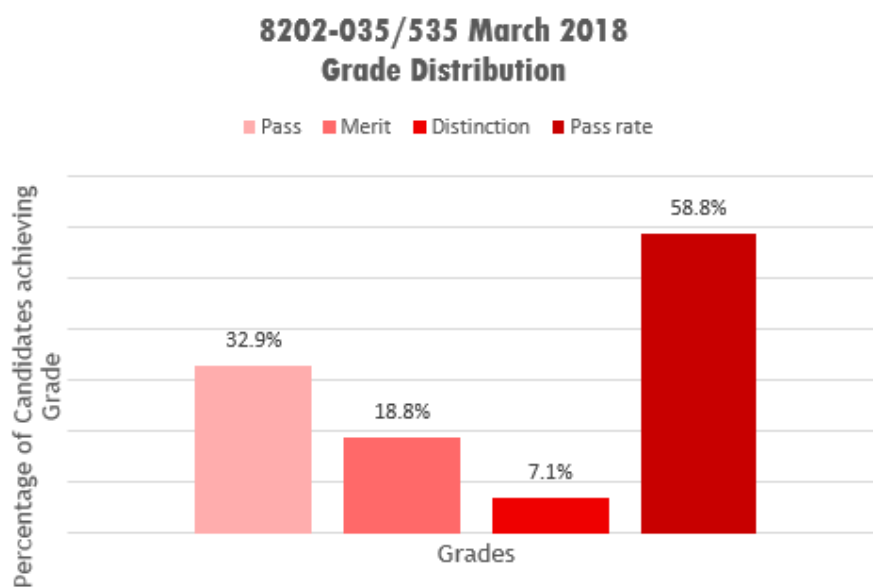
## Grade Boundaries and distribution

Assessment: 8202-035/535  
Series: March 2018

Below identifies the final grade boundaries for this assessment, as agreed by the awarding panel;

<b>Total marks available</b>	<b>60</b>
Pass mark	24
Merit mark	34
Distinction mark	44

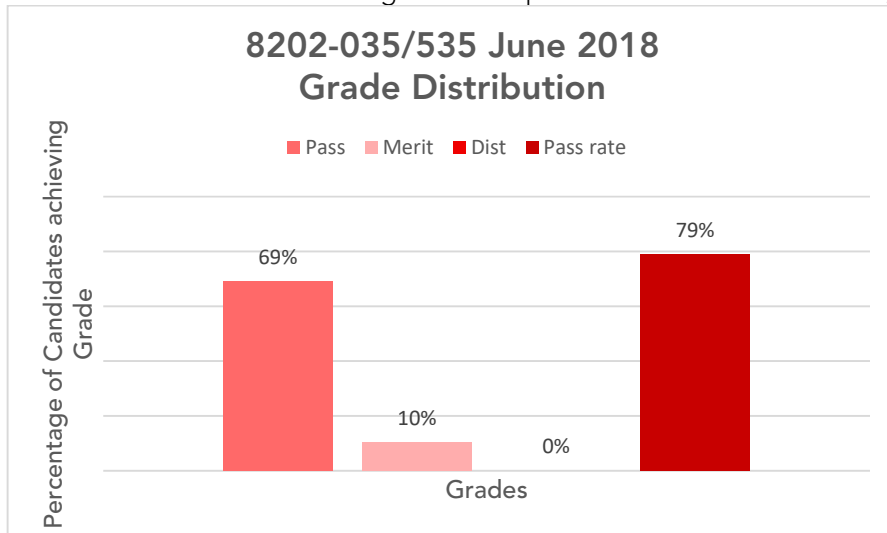
The graph below shows the distribution of grades and pass rates for this assessment;



Below identifies the final grade boundaries for this assessment, as agreed by the awarding panel;

<b>Total marks available</b>	<b>60</b>
Pass mark	24
Merit mark	34
Distinction mark	44

The graph below shows the distribution of grades and pass rates for this assessment;



# Chief Examiner Commentary

Assessment component: 8202-035/535

## Series 1 (March)

As the assessment process for this new Level 3 Plumbing qualification is still rather new to centres and candidates, it is clear good progress towards successful up-take has been evidenced through good exam results. Candidates performed well in areas such as Hot and Cold system planning and design and Environmental technology systems.

Candidates showed a clear understanding of specialist Hot and Cold water system components and also legislation surrounding the design aspects of hot and cold water systems. Evidence of strong knowledge and understanding was shown regarding unvented systems, components and discharge pipework.

However, there were evidence of gaps in the knowledge of sanitation system planning and design.

The candidates showed good of knowledge in their responses but correct terminology regarding the discussion in their answers needs to be addressed. It was clear from the answers provided that there were many candidates that were picking up marks from across the paper but were not able to show in-depth understanding to be able to achieve the full marks. In preparation for delivery, more focus should be applied how questions should be answered in relation to the verb used.

It is clear that candidates extended response answer techniques also need to be further developed. They frequently did not supply sufficient content within their responses to access higher marks and given the weight (9 marks) of this question, more preparation time should be invested in the style of response and what is required to achieve the higher marks. As this assessment technique is still relatively new to our sector we feel this will improve as experiences of this assessment type increase.

## Series 2 (June)

As this assessment approach continues to be new to centres and t candidates, it is clear that further work has be carried out to ensure candidates are prepared to sit this resit paper. There continues to be good performances in the traditional areas of hot and cold systems.

Candidates showed a clear understanding of the basic hot and cold water systems, a number of candidates showed an understanding of the components but not necessarily the intricacies of each component. There would be a benefit of enhanced delivery time of such components, their operations, working principles and their function in a system. Aspects of heating system knowledge was good but it is clear that further revision is required in areas such as installation requirements as opposed to benefits of various systems. There are signs of good delivery of renewable technologies however the responses from some candidates where confused in a way that the demonstrated knowledge of the systems and benefits but not in the depth required for the higher marks.

The candidates have shown good breadth and depth of their knowledge but there are areas where improvement can be made. Terminology used in their responses, and understanding of the requirements for questions i.e. what responses are required for “explain” questions here centres should be devising their own targeted revision techniques.

The responses for the extended questions need to be further improved, the answers where fairly basic but lacked the breadth of knowledge of the renewable technologies discussed, often candidates would select one approach without considering other options available meaning they couldn't gain more marks than the first mark band. Candidates who did access the higher bands were able to confidently discuss options and just suggestions and justification around one option may be more appropriate than another.



# Synoptic Assignment

## Grade Boundaries and distribution

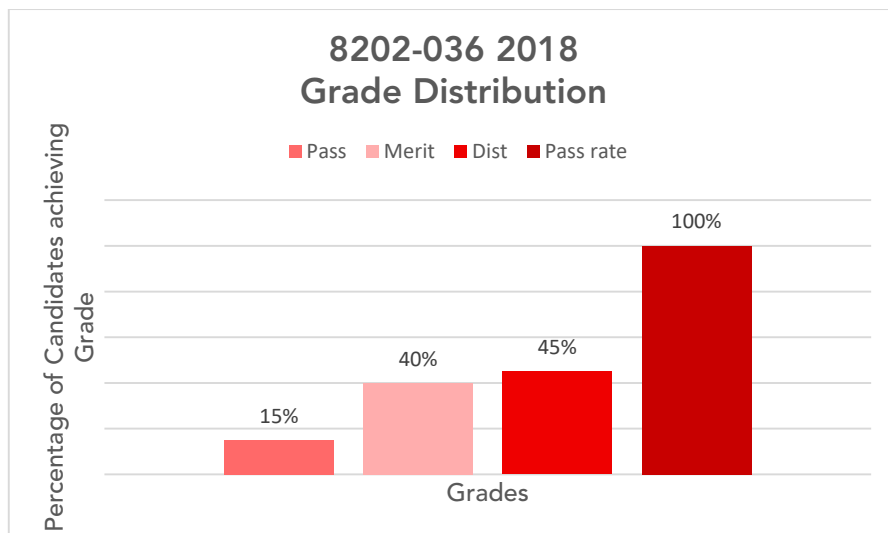
Assessment: 8202-036

Series: June 2018

Below identifies the final grade boundaries for this assessment, as agreed by the awarding panel;

<b>Total marks available</b>	<b>60</b>
Pass mark	25
Merit mark	34
Distinction mark	43

The graph below shows the distribution of grades and pass rates for this assessment;



## Principal Moderator Commentary

Candidates have the ability to demonstrate an extensive range of skills and knowledge on the broad spectrum of the L3 plumbing synoptic assignment although most candidates completed required tasks there are some gaps that show limited understanding in operating principals and installation of components.

Candidates need to develop skills in both reading and understanding synoptic brief and time management before attempting the tasks. Some candidates completed tasks in an untimely manor due to the confidence in their ability to work from a brief without prompts.

The results from synoptic varied widely and some candidates need clearer guidance on completing this type of activity, the candidates are unfamiliar with this type of synoptic assessment and in some cases missed opportunities to display their breath of understanding and achieve numerous marks to support the overall points awarded.

It is clear centres have worked extremely hard with candidates in many cases to prepare them for this type of assignment; however, this does not appear in all candidates work submitted for moderation and some candidates assignment supporting documents are disappointing.

The centres have in most cases clearly understood the synoptic assessment model and consistently apply marks across the range of AOs with comprehensive supporting statements from the assessor to justify the marks awarded across all aspects. The centres in most instances provided quantifying statements on the candidate's performance that clearly justified the marks awarded into the mark bands. Only in a limited number of cases did the supporting documentary statements and use of verbs not completely align with the band learners had been allocated.