



BSIF RPE Fit Test Accreditation Scheme 'Fit2Fit'– Syllabus 2019

Essential reading and reference material:

In order to prepare properly for a Fit2Fit Face Fitting Competency Assessment you should ensure that you have made yourself familiar this assessment syllabus and with the information contained in the following reference documents....

HSE HSG 53 (4th Edition)

EN 529 (Relevant Sections)

HSE INDG 479

HSE Control of Substances Hazardous to Health (COSHH) Regulations 2002 (Relevant Sections)

HSE Control of Asbestos (CAR) Regulations 2012 (Relevant Sections)

In particular (and depending on which face fitting methods you choose to be assessed against) you should have acquired, and be able to demonstrate detailed knowledge of the information contained in the following publications

Fit2Fit Companion to HSE INDG 479 Guidance on Respiratory Protective Equipment (RPE) fit testing Qualitative Method. (referenced in the syllabus as F2F QL which can be followed by an alpha numeric location reference for look up within the document)

And / or

Fit2Fit Companion to HSE INDG 479 Guidance on Respiratory Protective Equipment (RPE) fit testing Quantitative Method, Ambient Particle Counting. (referenced in the syllabus as F2F QN-APC) which can be followed by an alpha numeric location reference for look up within the document)

And / or

Fit2Fit Companion to HSE INDG 479 Guidance on Respiratory Protective Equipment (RPE) fit testing Quantitative Method, Controlled Negative Pressure. (referenced in the syllabus as F2F QN-CNP which can be followed by an alpha numeric location reference for look up within the document)



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Subject / Content		Depth required to be assessed as Competent
Section1. Knowledge of RPE Sets out the minimum knowledge requirements in respect of respiratory protective equipment. [Mandatory]		
1. General knowledge	<p>A general understanding of RPE use in the workplace</p> <p>Understanding of</p> <ul style="list-style-type: none"> • The nature of potential hazards which RPE can protect against • Implementing RPE use in the workplace • The need for training in the use of RPE 	<p><i>Demonstrates a general understanding of HSG 53(4th Edition) all references to HSG 53 relate to 4th Edition)</i></p> <p><i>Demonstrates in depth knowledge and understanding of HSG53 paragraphs 25-32, 33-35 and 36-39. Demonstrates an understanding of the terms 'adequate' and 'suitable' in relation to RPE selection and fit testing.</i></p> <p><i>Demonstrates in depth knowledge and understanding of HSG 53 paragraphs 45 & 47-48 and information in Table 1.</i></p> <p><i>Demonstrates in depth knowledge and understanding of HSG 53 paragraphs 76-8, 84-86 and 90 -97.</i></p> <p><i>NB. The ability to select suitable and adequate RPE is not required during the assessment however the candidate should have the ability to Identify where the selection of RPE is obviously incorrect.</i></p>



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<p>1.2 Protection factors</p>	<p>Understanding of Protection factors and fit factors:</p> <ul style="list-style-type: none"> • Fit factor • Assigned PF • Nominal PF 	<p><i>Demonstrates an understanding and the correct application of the term fit factor and of the various protection factors defined in EN529 para 3.2, 3.6, 3.11,</i> <i>F2F QN-APC H23 & H24</i> <i>F2F QN-CNP H23 & H24</i></p>
<p>1.3 Types and classes</p>	<p>Knowledge of the range of RPE available</p> <ul style="list-style-type: none"> • Filters • Negative pressure filtering respirators • Power assisted filtering respirators • Powered filtering respirators • Air-fed devices • Fresh Air Hose • Self Contained Breathing Apparatus 	<p><i>Demonstrates in depth knowledge and understanding of HSG 53 paragraphs 11-18, & EN529 Section 4.</i></p> <p><i>General understanding of all generic RPE types:</i></p> <ul style="list-style-type: none"> ➤ <i>Filtering devices</i> ➤ <i>Breathing apparatus</i> <p><i>Recognises and can identify different models and classes of RPE.</i></p> <p><i>Demonstrates a general knowledge of the range of RPE, their function, capabilities and limitations as included in HSG53(Appendix 1) pages 28 -42</i></p> <p><i>NB. This does not have to be manufacturer specific although an awareness of different manufacturers' models would be desirable.</i></p>



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<p>1.4 Assembly, Inspection, maintenance prior to fit testing</p>	<p>Understanding of the purpose of, and demonstrates a practical ability in:</p> <ul style="list-style-type: none"> • Assembly of facepiece • Examination of facepiece • Exhalation valve • Filter (differentiate between that used for the fit test and that used in use) • Face seal • Head harness 	<p><i>Knows and can demonstrate how to assemble and check the condition of the facepiece prior to fit testing</i> <i>Knowledge of COSHH Reg. 8(1) and para 168(c)</i></p> <p><i>Knowledge of manufacturers' instructions</i></p>
<p>1.5 Donning prior to fit testing</p>	<p>Understands:</p> <ul style="list-style-type: none"> • The nature and significance of wearer related factors • The importance of following the manufacturer's instructions • Generic rules for donning <p>Understanding of the purpose of and demonstrates a practical ability in:</p> <ul style="list-style-type: none"> • Pre use wearer seal check • Visual inspection of fit 	<p><i>Demonstrates in depth knowledge and understanding of HSG 53 'wearer related factors' pages 18-20 and information in Table 3 and in F2F QL H44, H45 & F6</i> <i>F2F QN-APC H44, H45 & F8</i> <i>F2F QN-CNP H44, H45 & F8</i></p> <p><i>Knowledge of COSHH Reg. 8(1) and para 168(c)</i></p> <p><i>Demonstrates the ability to give instruction on correct donning including pre use wearer seal check</i></p> <p><i>Demonstrates the ability to recognise a poor fit and give appropriate corrective advice</i></p>

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Section 2. The Role of Fit Testing Sets out the minimum knowledge and understanding requirements in respect of the need for fit-testing of respiratory protective equipment. [Mandatory]		
2.1 Required Legal Knowledge and Understanding	Understands the role of RPE Fit Testing, plus: <ul style="list-style-type: none"> • Where to find relevant regulations e.g. COSHH, CAR etc. • The need for training in the application of fit testing 	<i>Demonstrates in depth knowledge and understanding of the role of RPE fit testing and where this fits into the legal framework</i> F2F QL F2F QN-APC F2F QN-CNP Also: <ul style="list-style-type: none"> ➤ HSG 53 para 84-86 ➤ COSHH Reg. 7 relating fit testing (158-162) ➤ CAR Reg. 11 relating to fit testing (301-309)
2.2 Purpose of fit testing	Understands the purpose of fit testing and when it is required <ul style="list-style-type: none"> • Understanding of the term tight-fitting and the applicable types of facepiece • When fit testing should be carried out • When it doesn't need to be carried out • When fit testing should be repeated When you should not carry out fit testing <ul style="list-style-type: none"> • When the requirements on the wearer are not fulfilled • When you believe that the device is inadequate for the workplace conditions. 	<i>Demonstrates understanding of the purpose of fit testing, which type of RPE requires it and which type of RPE does not require it.</i> F2F QL H13 – H20 F1 & F2 F2F QN-APC H13 – H20 F1 & F2 F2F QN-CNP H13 – H20 F1 & F2

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Section 3. Principles of Fit Testing Sets out the minimum knowledge and understanding requirements in respect of the principles involved in carrying out effective respiratory protective equipment fit testing. [Mandatory]		
3.1 Fit test methods	<ul style="list-style-type: none"> • Qualitative bitrex, saccharin, <i>iso</i>amyl acetate- (wearer must be sensitive) • Quantitative Ambient Particle Counting (APC) (sufficient ambient particle count, wearer generated particles) • Quantitative Controlled Negative Pressure (CNP) (demands on wearer holding breath etc.) • Quantitative test chamber (need facilities and equipment) • Types of facepiece which may be tested with each method and why • Type of filter which needs to be used and why • Problems which may be encountered 	Demonstrates knowledge of how each of the fit test methods included throughout <i>F2F QL</i> <i>F2F QN-APC</i> <i>F2F QN-CNP</i> <i>works and their limitations of use</i> <i>Aware of potential problems and is able to take appropriate actions</i>
3.2 Fit test exercises	Fit test exercises <ul style="list-style-type: none"> • Their purpose • What they are and how they should be carried out including time • Precautions • What you should do if the wearer is unable to carry out some of the exercises. 	<i>Understands the purpose of the exercises.</i> <i>F2F QL H71, H72, H7 & Annex 2 F15, F19 & F20</i> <i>F2F QN-APC H46, H47 & H76 & Annex 2 F16, F21 & F22</i> <i>F2F QN-CNP H46, H47, H76, H77 and Annex 2 F11, F13 & F17</i> <i>Provide suitable instructions</i> <i>Employs the exercises</i> <i>Considers relevant H&S</i> <i>Understands actions if wearer is unable to carry out exercises</i>



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3.3 Information for and requirements of the wearer	<ul style="list-style-type: none"> • Understanding of what the test involves • Smoking • Eating and drinking • Facial hair • Wear other head worn PPE or medical corrective devices which will be required when working 	<p><i>Understands the important factors to be considered before performing a fit test.</i></p> <p><i>F2F QL</i> <i>F2F QN-APC</i> <i>F2F QN-CNP</i> <i>and understands the role and responsibility of the employee in relation to fit testing</i></p>
3.4 Requirements of employer	<ul style="list-style-type: none"> • Adequately communicated information and requirements to the wearer • Arrange for suitable spectacle frames to be available if spectacles are required for working whilst wearing a full facemask • Suitable room if the test is to take place on the employers premises • Declaration that the wearer is medically fit to carry out the fit test (preferably in writing from the employer) 	<p><i>Understands the role and responsibility of the employer in relation to fit testing</i></p> <p><i>F2F QL</i> <i>F2F QN-APC</i> <i>F2F QN-CNP</i></p>
3.5 Examination of facepieces for adequate condition for fit testing	<ul style="list-style-type: none"> • Facepiece body clean and undamaged including faceseal • Visor clean and undamaged • Head harness adjustable and undamaged • Valves present and in good condition. 	<p><i>Knowledge of how to assemble and to check the condition of the facepiece prior to fit testing</i></p> <p><i>F2F QL</i> <i>F2F QN-APC</i> <i>F2F QN-CNP</i></p>
3.6 Record keeping	<ul style="list-style-type: none"> • Wearer details • Facepiece details • Results • Service provider details • Equipment details 	<p><i>F2F QL H75 & F18</i> <i>F2F QN-APC H75 & F19</i> <i>F2F QN-CNP H75 & F16</i></p> <p><i>Knows what details to record</i> <i>Take suitable care with data</i></p>



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<p>3.7 Preparing the wearer</p>	<ul style="list-style-type: none"> • Explain purpose of a fit test and how this test works • What will be required of the wearer, e.g. breathe through mouth for QLFT, exercises, indicate when can taste the test agent • Check wearer requirements re facial hair, smoking, eating etc • Wearer dons facepiece correctly following manufacturer's instructions • Wearer correctly carries out pre use seal check • Visual inspection of fit • Wearer tries out treadmill, step, bike (knows how to operate device) • Means of communicating with wearer confirmed 	<p><i>Understands the role and responsibility of the employee in relation to fit testing</i> <i>Takes due care of H&S</i> <i>Explains the purpose of the fit test</i> <i>Explains what is required from the wearer</i> <i>Knows when to refuse to conduct a fit test</i> <i>F2F QL</i> <i>F2F QN-APC</i> <i>F2F QN-CNP</i></p>
<p>3.8 Post test requirements</p>	<ul style="list-style-type: none"> • Cleaning & disinfection of facepiece and fit testing equipment • Removal of probes • Putting the RPE back into service • De-brief wearer on fit test findings 	<p><i>Understands the importance of cleaning & disinfection</i> <i>Takes suitable step to ensure correct functioning of the fit test equipment</i> <i>Knows how to remove probes and put the RPE back into service.</i></p> <p><i>F2F QL</i> <i>F2F QN-APC</i> <i>F2F QN-CNP</i></p>



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<p>3.9 Diagnosing failures</p>	<ul style="list-style-type: none"> • Visual examination of the face fit • Corrective actions before re-testing • Fit test equipment diagnostic checks • Visual examination of the facepiece (3.5) 	<p><i>Knowledge of possible problems that may cause an unsuccessful fit test.</i></p> <p><i>Understands what actions to take following an unsuccessful fit test.</i></p> <p><i>Demonstrates the practical ability to investigate the possible causes of an unsuccessful fit test and takes appropriate actions</i></p> <p><i>Understands the implications of an unsuccessful fit test.</i></p> <p><i>F2F QL</i> <i>F2F QN-APC</i> <i>F2F QN-CNP</i> <i>Fit test equipment manufacturer's instructions.</i></p>
<p>3.10 Interpretation of results</p>	<p>Understands</p> <ul style="list-style-type: none"> • the pass/fail criteria applicable to the type of RPE tested • the factors that lead to uncertainties in the fit test results • how to correctly recognise and interpret fit test results where the result is borderline or could have been affected by a factor other than fit. 	<p><i>Demonstrates knowledge of the of the fit testing equipment being used and the potential factors that may give false results, potential reasons for failures, characteristics of generic masks types and inherent design issues of the RPE and fit test method that would have adverse effects on the fit test result</i></p> <p><i>F2F QL H65</i> <i>F2F QN-APC H53 & Table 2</i> <i>F2F QN-CNP H53 & Table 2</i></p>

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Section 4. Fit Test Methods Presented as a series of optional elements, this section sets out the specific knowledge and understanding requirements necessary to carry out each method of fit-test and for each type of respiratory protective equipment. [Compliance with one or more of the optional elements is mandatory]		
Method 1. Qualitative fit testing using a taste responsive method		
4.1.1 Knowledge of equipment required	An understanding of: <ul style="list-style-type: none"> Principles of the taste test. When it is appropriate to use this method. 	<i>Demonstrates what equipment is required and the standards that are relevant to the equipment</i> <i>Demonstrates knowledge of report format</i> <i>F2F QL H22, H24 & Table 1, H67 & H75 F 1 & F7</i>
4.1.2 Environmental requirements	An understanding of: Need for a well ventilated room.	<i>Demonstrates an understanding of what environmental requirements are necessary</i> <i>F2F QL F7</i>
4.1.3 How to prepare the equipment	<ul style="list-style-type: none"> Preparing the hood Filling the nebulisers, checking correct functioning Checking the facepiece and user instructions 	<i>Demonstrates knowledge of how to prepare the fit test equipment and check that it is working correctly prior to the test as defined in manufacturers' instructions and</i> <i>F2F QL H67, H68 & H70</i>
4.1.4 Sensitivity test	Conduct sensitivity test: <ul style="list-style-type: none"> Brief wearer. Conduct test. Record result. 	<i>Demonstrates knowledge of conducting sensitivity test as defined in manufacturers' instructions.</i> <i>F2F QL H68 & H 69 F12 & F13</i> <i>Takes appropriate step and actions in appropriate sequence.</i>



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<p>4.1.5 Fit test</p>	<p>Conduct fit test:</p> <ul style="list-style-type: none"> • Brief wearers on the conduct, safety and test procedure: • Observe donning of respirator and pre use wearer seal check • Ensure palette is clear of residual taste from the sensitivity test • Maintain control of the wearer during the test • Ensure the appropriate concentration of test agent is maintained throughout the test • Observe the wearer and function of equipment throughout test • Record results. • Clean equipment. 	<p><i>Demonstrates in depth understanding of manufacturers' instructions and</i></p> <p><i>F2F QL H42 – H69, H71 & H75 & H76 F15 – F20</i></p> <p><i>Demonstrates understanding of the meaning of the results and ability to explain the consequences of the result.</i></p>
<p>4.1.6 Troubleshooting</p>	<p>An understanding of:</p> <ul style="list-style-type: none"> • The options available following a negative response to the sensitivity test • When a re-test is appropriate • Examination of the facepiece • What to communicate to wearer and employer • Diagnose and rectify problems with the fit of the facepiece • Diagnose and rectify problems with the fit test equipment 	<p><i>Demonstrates knowledge of troubleshooting following manufacturers' instructions and general knowledge of test method.</i></p> <p><i>F2F QL H74 F 16 & F17</i></p>
<p>4.1.7 Interpretation of results</p>	<p>An understanding of:</p> <ul style="list-style-type: none"> • What to consider if the wearer completes the test without tasting the test solution • What to consider if the wearer indicates that they taste the test solution • What to consider if the wearer indicates that they think they may have tasted the test solution 	<p><i>Demonstrates knowledge of the circumstances which may influence the result of the test</i></p> <p><i>F2F QL F16 & F17</i></p>



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Method 2. Quantitative fit testing using an Ambient Particle Counting Device		
<p>4.2.1 Knowledge of the ambient particle counting device</p>	<p>An understanding of:</p> <ul style="list-style-type: none"> • How the ambient particle counting device functions and how it can be used to assess the fit of tight fitting RPE. • The need and evidence that the ambient particle counting device is within its calibration period • The modes of operation. • Safe use of the ambient particle counting device 	<p><i>Demonstrates an understanding of how the ambient particle counting device functions and its role in fit testing</i> <i>F2F QN – APC H52 F3 & F12</i></p> <p><i>Manufacturer's Instructions</i></p> <p><i>Understands the safety risks and how to control them when using or maintaining the ambient particle counting device</i></p> <p><i>Manufacturer's Instructions</i></p>



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<p>4.2.2 Set-up the ambient particle counting device</p>	<p>An understanding of:</p> <ul style="list-style-type: none"> • The environment required for Quantitative ambient particle counting fit testing. • How to assemble hardware ready to perform daily checks. <p>Configure the software and perform the following tasks:</p> <ul style="list-style-type: none"> • Select/create a user database • Populate people database. • Populate the respirator database. • Select applicable protocol database. <p>An understanding of daily checks:</p> <ul style="list-style-type: none"> • Their purpose and how to perform them. • The causes of failure. 	<p><i>Demonstrates a good understand of the considerations when selecting a suitable location.</i></p> <p><i>Demonstrates awareness of minimum ambient particle concentration.</i></p> <p><i>Demonstrates practical skill in setting-up the ambient particle counting device / computer and using the software</i></p> <p><i>Ref: Manufacturer's Instructions</i></p> <p><i>Demonstrates use of the daily check software. Understanding of what it does, and remedial action which may be necessary.</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.2.3 Prepare a Respiratory Protective Device (RPD) for fit testing using an adaptor</p>	<p>Use an adaptor kit to prepare a RPD for the fit test:</p> <ul style="list-style-type: none"> • Use adaptor kit with inlet valve access. • Use adaptor kit with outlet valve access. • Use suitable filter²s for fit testing • Correctly position the sample tube termination 	<p><i>Demonstrates practical skill in preparing RPD for fit testing.</i></p> <p><i>Ref as per adaptor Manufacturer's Instructions.</i></p> <p><i>F2F QN – APC H55- H59 F13, F15 & F16 and figures 6,7, & 8</i></p>



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<p>4.2.4 Conduct a fit test</p>	<p>Perform a quantitative fit test using the ambient particle counting device on an individual wearing a RPD.</p> <ul style="list-style-type: none"> • Brief wearer on the conduct, safety and test procedure • Observe donning of respirator and conduct pre- use fit check • Maintain control of the wearer during the test • Observe the wearer and function of equipment throughout test • Record results • Clean equipment <p>Procedures if fit test fails:</p> <ul style="list-style-type: none"> • Investigate reason for fit test failure • Fit Test Equipment • Wearer 	<p>Demonstrates in depth understanding of and practical skill in how to perform a fit test. Demonstrating consideration for the safety of the wearer</p> <p><i>F2F QN – APC H46 – H76 F10 – F22</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.2.5 Post fit test requirements</p>	<ul style="list-style-type: none"> • Close down the ambient particle counting device and pack away. 	<p>Demonstrates an understanding and practical skill in how to close down the ambient particle counting device</p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.2.6 Ambient particle counting device maintenance</p>	<ul style="list-style-type: none"> • Perform user maintenance task on the ambient particle counting device as required • Requirements for calibration 	<p>Demonstrates an understanding of what user maintenance is required and the knowledge and practical skills required for carrying these out.</p> <p><i>Ref: Manufacturer's Instructions</i></p>



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4.2.7 Troubleshooting	An understanding of: <ul style="list-style-type: none"> • When a re-test is appropriate. • Examination of the facepiece. • What to communicate to wearer and employer. • Diagnose and rectify problems with the fit of the facepiece Diagnose and rectify problems with the fit test equipment • Suspiciously high fit factors 	<i>Demonstrates knowledge of troubleshooting following manufacturers' instructions and general knowledge of test method.</i> <i>F2F QN – APC H19, H20, H58 – H60 F2, F14 & F15</i>
4.2.8 Interpretation of results	<ul style="list-style-type: none"> • Interpretation of results <ul style="list-style-type: none"> ○ Border line pass ○ Wearer generated particles ○ Out of trend pass fit factors 	<i>F2F QN – APC H58, H73 F17</i>
Method 3. Quantitative fit testing using a Particle Counting Device with technology such as N95		
4.3.1 Set-up and ready for use	Demonstrates capability to use ambient particle counting device with built in N95 facility. Demonstrates capability to use ambient particle counting device with N95 companion and set up software ready for fit testing appropriate disposable FFP/ half mask Knows how to set-up and operate the appropriate particle generator	Demonstrate knowledge and the skills required to set-up equipment for fit testing filtering facepieces. <i>Ref: Manufacturer's Instructions</i>



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<p>4.3.2 Conduct a fit test</p>	<p>Perform a quantitative fit test using the ambient particle counting device with N95 technology on an individual wearing an RPD.</p> <ul style="list-style-type: none"> • Prepare RPD for fit testing (4.2.4) • Brief wearer on the conduct, safety and test procedure • Observe donning of respirator and fit check • Maintain control of the wearer during the test • Observe the wearer and function of equipment throughout test • Record results • Clean equipment <p>Procedures if fit test fails:</p> <ul style="list-style-type: none"> • Investigate reason for fit test failure Fit Test Equipment • Wearer. 	<p>Demonstrate individual ability to perform a fit test. <i>References as per F2F QN – APC without N95 Technology</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.3.3 Closedown hardware components and pack away.</p>	<p>Closedown the ambient particle counting device</p>	<p><i>As above</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.3.4 Perform maintenance task on the particle generator</p>	<p>Selection of particle generator user maintenance task.</p>	<p>Demonstrate maintenance task</p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.3.5 Perform maintenance task for the N95 equipment</p>	<p>Selection of N95 user maintenance task Requirements for maintenance</p>	<p>Demonstrates maintenance task</p> <p><i>Ref: Manufacturer's Instructions</i></p>



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4.3.6 Troubleshooting	An understanding of: <ul style="list-style-type: none"> • When a re-test is appropriate. • Examination of the facepiece. • What to communicate to wearer and employer. • Diagnose and rectify problems with the fit of the facepiece • Diagnose and rectify problems with the fit test equipment • Suspiciously High Fit Factors 	<i>Demonstrates knowledge of troubleshooting following manufacturers' instructions and general knowledge of test method.</i> <i>F2F QN – APC H19, H20, H58 – H60 F2, F15</i>
4.3.7 Interpretation of results	<ul style="list-style-type: none"> • Interpretation of results <ul style="list-style-type: none"> ○ Border line pass ○ Wearer generated particles ○ Out of trend pass fit factors 	<i>F2F QN – APC H58, H73 F17</i>
Method 4. Quantitative fit testing using Controlled Negative Pressure Device		
4.4.1 Knowledge of Controlled Negative Pressure Device	An understanding of: <ul style="list-style-type: none"> • How the controlled negative pressure device functions and how it is used to measure the face fit with a tight-fitting facepiece. • Modes of operation. • The potential safety hazards 	<i>Ref: Manufacturer's Instructions</i> <i>F2F QN – CNP H52 F3 & F10</i> <i>Understands the safety risks and how to control them when using or maintaining the controlled negative pressure device</i> <i>Manufacturer's Instructions</i>
4.4.2 Equipment required	<ul style="list-style-type: none"> • Controlled negative pressure device within calibration period • Means of recording the instrument measurements e.g. computer and software • Suitable fit test adapter for controlled negative pressure method and type of mask being fit tested 	<i>Demonstrates knowledge of what equipment is required</i> <i>F2F QN – CNP H52, H63 F3, F10 & F12</i> <i>Ref: Manufacturer's Instructions</i>



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<p>4.4.3 Test equipment preparation Set-up the controlled negative pressure device ready for use.</p>	<p>An understanding of:</p> <ul style="list-style-type: none"> • How to assemble the hardware • Measuring instrument checks (calibration etc) ensure they are saved on the system and a print out is saved to the records file. • Setting the appropriate negative test pressure • Setting up the appropriate test exercises and sample times • Checking the facepiece and user instructions • Using the correct pass/fail criteria <p>Configure the software and perform the following task:</p> <ul style="list-style-type: none"> • Select/create a user database • Populate the people database. • Populate the respirator database • Select the applicable protocol from the database. 	<p><i>Demonstrates knowledge of how to prepare the fit test equipment and the practical skills in setting up the equipment and database for recording the test</i></p> <p><i>Ref: Manufacturer's Instructions</i></p> <p><i>F2F QN – CNP</i></p> <p><i>Demonstrates use of the controlled negative pressure device instrument checks. Understanding of they are and their purpose, and the ability to conduct any remedial actions which may be necessary</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.4.4 Prepare a RPD for fit testing using an adaptor</p>	<p>Select and use a suitable adaptor to prepare the RPD for fit test using the controlled negative pressure device</p>	<p><i>Demonstrates practical skill in preparing RPD for fit testing.</i></p> <p><i>F2F QN – CNP H63 & F12</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>



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<p>4.4.5 Conduct a fit test</p>	<p>Perform a quantitative fit test using controlled negative pressure on an individual wearing a tight-fitting face mask. Brief wearers on the conduct and safety and the test content</p> <ul style="list-style-type: none"> • Maintain control of the wearer during the test. (Note: For this method it is more essential that there is good communication between the wearer and the fit tester) • Monitor the wearer and function of equipment throughout the test to ensure correct application and breath holding during the test • Ensure that the start of the fit factor measurements, following each fit test exercise, and the point at which the wearer holds their breath are correctly synchronized. • Manage the fit test data <p>Procedures if the fit test fails</p> <ul style="list-style-type: none"> • Investigate reason for the fit test failure 	<p><i>Demonstrates in depth understanding of and the practical skills in how to perform a fit test.</i></p> <p><i>F2F QN – CNP H62, H71 & H74 F8, F11, F12 & F14</i></p> <p><i>Demonstrates in depth knowledge of the requirements on the wearer during the fit test.</i></p> <p><i>Demonstrates consideration for the safety of the wearer.</i></p>
<p>4.4.6 Post fit test</p>	<p>Close down the equipment and store for safe transit</p>	<p><i>Demonstrate an understanding and practical skill in closing down the equipment</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.4.7 CNP user maintenance</p>	<p>Perform user maintenance task on the controlled negative pressure device as required Requirements for calibration</p>	<p><i>Ref: Manufacturer's Instructions</i></p>



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<p>4.4.8 Troubleshooting</p>	<p>An understanding of:</p> <ul style="list-style-type: none"> • When a re-test is appropriate • Examination of the facepiece • What to communicate to wearer and employer • Diagnose and rectify problems with the fit test equipment 	<p><i>Demonstrates knowledge of troubleshooting following manufacturers' instructions and general knowledge</i></p> <p><i>F2F QN – CNP H19 & H20 F2, F14 & F15</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>
<p>4.4.9 Interpretation of results</p>	<p>Interpretation of results</p> <ul style="list-style-type: none"> • Border line pass • “Re-test advised” message • Out of trend pass fit factors • The effect of excessive negative test pressures • The effect of a short fit test time 	<p><i>Demonstrates knowledge of the circumstances which may influence the result of the tests.</i></p> <p><i>F2F QN – CNP H74 F3, F14</i></p> <p><i>Demonstrates knowledge of the suitable corrective actions</i></p> <p><i>Ref: Manufacturer's Instructions</i></p>