

CITY & GUILDS LEVEL 2 AWARD IN THE SAFE APPLICATION OF PESTICIDES USING SELF PROPELLED, MOUNTED, TRAILED HORIZONTAL BOOM SPRAYERS (QCF) (PA2) 601/5141/9



QUALIFICATION GUIDANCE

Independently Assessed

Essential Qualification Information

Not to be used by the Candidate during Assessment

You will require some of this information to accurately complete the Record of Assessment (ROA)

Qualification Group No	0 2 1 6	Pesticides
Qualification Programme No	0 2 1 6 - 5 0	L2 Award in the Safe Application of Pesticides Using Self Propelled, Mounted, Trailed Horizontal Boom Sprayers (QCF) (PA2)
Unit(s)	1 1 1	Operating Mounted, Trailed and Self Propelled Hydraulic Nozzle or Rotary Atomiser Horizontal Boom Sprayers (PA2A) (D/505/7664)
	1 1 2	Operating Mounted, Trailed and Self Propelled Air / Fluid Nozzle Horizontal Boom Sprayers (PA2C) ((M505/7667)
	1 1 3	Operating Mounted, Trailed and Self Propelled Downward Air Assisted Horizontal Boom Sprayers (PA2E) (M/505/7670)
	1 1 4	Operating Mounted or Trailed Wick Type Applicators (PA2F) (F/506/8298)
	1 1 5	Operating Vehicle Mounted Kerb Sprayers Fitted with Hydraulic Nozzles/Rotary Atomisers (PA2AR) (D/505/7681)
Learning Time (LT)	1 1 1	LT 28 (3 Credits)
	1 1 2	LT 28 (3 Credits)
	1 1 3	LT 28 (3 Credits)
	1 1 4	LT 28 (3 Credits)
	1 1 5	LT 28 (3 Credits) <i>(* see note on page 2)</i>
Recommended Assessment Duration		1.5 – 3 hours per Candidate
Pre-Requisite Units	1 0 1	Principles of Safe Handling and Application of Pesticides (PA1)

City & Guilds Level 2 Award in the Safe Application of Pesticides Using Self Propelled, Mounted, Trailed Horizontal Boom Sprayers (QCF) (PA2)

Qualification Guidance

Introduction

The scheme will be administered by City & Guilds

City & Guilds will:

- Publish
 - Scheme regulations
 - Qualification guidance
 - Training material
 - Trainers support material
- Approve Centres to co-ordinate and administer the scheme
- Set standards for the training of Verifiers and Assessors
- Recruit, train and deploy Verifiers
- Manage verification
- Issue Certificates to successful Candidates

The Qualification

The qualification will be awarded to Candidates who achieve the required level of competence in the units to which their Certificate relates.

What is the Qualifications and Credits Framework?

OFQUAL have introduced the Qualifications and Credit Framework (QCF) to increase flexibility for learners and employers. Qualifications may be built up from individual units according to rules of combination. The units are compiled by City and Guilds NPTC and agreed with the Chemicals Regulation Directorate of the Health and Safety Executive.

Training

The Code of Practice for Using Plant Protection Products states "By Law everyone who uses pesticides professionally must have received adequate training in using pesticides safely". Candidates are strongly advised to ensure that they will be able to meet the standards required in the assessment.

* Learning Time (LT)

Learning Time (LT) is a better indicator of the time requirement needed for a candidate to achieve competence in this qualification. It has replaced Guided Learning Hours (GLH) which are defined as "tutor or teacher led hours". LT is defined as "a notional measure of the learning time a **typical learner might be expected** to take to complete and achieve all learning outcomes". It takes into account prior learning and encompasses: formal learning (including classes, tutorials, on line tuition), coaching and mentoring, practical work, relevant IT activity, information retrieval, expected private study and revision, work-based activity which leads to assessment, practice to achieve competence, formative assessment, programme planning and feedback.

Access to Assessment

Assessment Centres will be responsible for arranging the assessment on behalf of the Candidate.

The minimum age limit for Candidates taking Certificates of Competence is 16 years. There is no upper age limit.

The assessment consists of **five** optional units:

Unit 111 – PA2A	(Optional)	(Credit Value 3)	(Print pages 6 – 12 plus 39)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to the mixing and application site (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.5)		
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		
Unit 112 – PA2C	(Optional)	(Credit Value 3)	(Print pages 13 – 19 plus 39)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to the mixing and application site (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.5)		
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		
Unit 113 – PA2E	(Optional)	(Credit Value 3)	(Print pages 20 – 26 plus 39)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to the mixing and application site (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.5)		
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		

Unit 114 – PA2F

(Optional)

(Credit Value)

(Print pages 27 – 32 plus 39)

Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)
Outcome 2.	Be able to assess the environmental factors relating to the mixing and application site (Criteria 2.1 – 2.2)
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.5)
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)

Unit 115 – PA2AR

(Optional)

(Credit Value)

(Print pages 33 – 39)

Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)
Outcome 2.	Be able to assess the environmental factors relating to the mixing and application site (Criteria 2.1 – 2.2)
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.5)
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)

Candidates must successfully achieve **all** assessment activities in their chosen unit(s).

There are no endorsements for this Award.

Quality Assurance

Verification is a process of monitoring assessment; it is an essential check to confirm that the assessment procedures are being carried out in the way City & Guilds has specified. The overall aim of Verification is to establish a system of quality assurance that is acceptable in terms of both credibility and cost effectiveness.

Approved Assessors will be subject to a regular visit by a Verifier at a time when assessments are being undertaken.

Documents completed by the Assessor may be inspected by a Centre appointed Internal Verifier and a City & Guilds approved Verifier at any time.

Compliance with the verification requirements is a pre-requisite for Assessors remaining on the list of approved Assessors.

After assessment has been completed the Qualification Guidance is to be retained by the Assessor for 12 months and is to be made available for inspection by a Centre appointed Internal Verifier, a City & Guilds approved Verifier or when a centre visit takes place by a Quality Systems Consultant (QSC).

Performance Evaluation

The result of each assessment activity is evaluated against the following criteria:

M = Met Meets or exceeds the assessment criteria by displaying a level of practical performance and/or underpinning knowledge. If the Criterion has been MET, a tick is to be put in the box provided in the bottom right-hand column of each section.

NM = Not Met Does not satisfy the requirements of the assessment criteria, being unable to perform the practical task satisfactorily or safely or having insufficient underpinning knowledge. If the Criterion is NOT MET, a cross is to be put in the box provided in the bottom right-hand column of each section.

Appeals and Equal opportunities

Centres must have their own auditable, appeals procedures. If a Candidate is not satisfied with the examination conditions or a Candidate feels the opportunity for examination is being denied, the Centre Manager should, in the first instance, address the problem. If, however the problem cannot be resolved, City & Guilds will arbitrate and a Principal Verifier may be approached to offer independent advice. All appeals must be clearly documented by the Centre Manager and made available to the Principal Verifier or City & Guilds if advice is required.

Should occasions arise when Centres are not satisfied with any aspect of the verification process, they should contact the Quality Assurance Manager at City & Guilds NPTC, Building 500, Abbey Park, Stareton, Warwickshire, CV8 2LY. Telephone 024 76 857300

Access to the qualification is open to all, irrespective of gender, race, creed or special needs. Subject to H&S restrictions the Centre Manager should ensure that no learner is subjected to unfair discrimination on any grounds in relation to access to assessment and to the fairness of the assessment. QCA requires City & Guilds to monitor centres to check whether equal opportunities policies are being adhered to.

Validation of Equipment

All equipment being used for this assessment must comply with the relevant requirements of the Provision and Use of Work Equipment Regulations (PUWER) 1998.

Vehicles must comply with Department of Transport and Road Traffic Acts where relevant.

Any machinery/equipment complying with current legal requirements is acceptable for the assessment, provided it is suitably equipped for **all** assessment activities to be carried out.

Summary of responsibilities in the assessment process		
Centre responsibilities	Candidate responsibilities	Assessor responsibilities
A suitable site is made available for the assessment to take place		Ensuring that the site provided is suitable for the assessment to take place
Machinery, equipment and materials are available to enable assessment of all the activities to take place	To be familiar with the machinery/equipment being used for the assessment	Ensuring that the machinery, equipment and materials provided satisfy the assessment requirements
	To bring appropriate Personal Protective Equipment (PPE) to the assessment	Ensuring that candidate's PPE complies with the requirements of the assessment
	To bring relevant training materials (including calibration sheet if applicable)	
	To bring a product label appropriate for the assessment	To ensure that the product label is appropriate for the assessment (or provide a suitable alternative)

Safe Practice

The Assessor and Candidate must wear Personal Protective Equipment (PPE) when appropriate.

The Assessor must ensure that a Site Specific Risk Assessment is carried out.

All equipment must be operated in such a way that the Candidate, Assessor, other persons and the environment are not endangered. Failure to operate safely and comply with these requirements will result in the Candidate not meeting the required standard.

A breach of Health and Safety that puts any person at risk during the assessment process will result in the assessment being terminated and the Candidate not meeting the required standard. The Assessor may stop the assessment on the grounds of safety at any time at their discretion.

Before any assessments take place, Assessor & Candidate should be aware of any local or national issues to prevent breach of security, safety and any cross contamination or damage to the local environment.

Information

During the assessment the candidate may refer to operator manuals, training materials or safety publications, but they **may not** refer to the Qualification Guidance Document.

Questions should be related to the background or employment aspirations of the candidate.

Candidates who undertake this assessment and have met the requirements are reminded of their legal obligation to receive/undertake appropriate additional training in the use of any equipment that differs from that used during the assessment, but which they are nevertheless qualified to use.

Assessment Guidance for the Assessor

This qualification can only be assessed by an Assessor who is suitably qualified and meets the requirements of the awarding body. The Assessor must be independent **and cannot have been involved with the training of the Candidate**. Please see City & Guilds Centre Manual for guidance.

The Candidate is to be notified of the place and time of assessment and when formal assessment commences and ceases.

Assessors are reminded that assessment is a formal process and that assessment must be carried out using this Qualification Guidance. All relevant assessment criteria must be assessed as specified in the Qualification Guidance. Assessment will be carried out by direct observation and by oral questioning of the Candidate. **Where a specific number of responses are required these may include other suitable answers not specified if they are deemed to be correct by the Assessor.** The performance of the Candidate is to be recorded on the Qualification Guidance as directed by completing the tick boxes. Space has been provided on the Qualification Guidance for the person assessing to record relevant information which can be utilised to provide feedback to the Candidate. After assessment has been completed the Qualification Guidance document is to be retained by the assessor and provided if required.

Assessment Guidance for the Candidate

A list of registered Assessment Centres is available from City & Guilds NPTC. (www.nptc.org.uk)

Assessment is a process by which it is confirmed that the candidate is competent in the unit(s) within the award to which the assessment relates. It is the process of collecting evidence about the candidates capabilities and judging whether that evidence is sufficient to attribute competence.

The Candidate must be registered through the City & Guilds approved Assessment Centre for this qualification prior to the assessment.

The results of the assessment will be recorded on the Record of Assessment form (ROA).

The Qualification Guidance contains criteria relating to:

- Observation of practical performance
- Assessment of underpinning knowledge

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City & Guilds is a registered charity established to promote education and training

Unit 111 - Operating Mounted, Trailed and Self Propelled Hydraulic Nozzle or Rotary Atomiser Horizontal Boom Sprayers (PA2A)

Candidate A	Name:	Date:	Start Time:	Duration:
Candidate B	Name:	Date:	Start Time:	Duration:
Candidate C	Name:	Date:	Start Time:	Duration:
Candidate D	Name:	Date:	Start Time:	Duration:

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 111 1.1	Describe the legal requirements relating to applying pesticides using horizontal boom sprayers	Candidate to describe two operator's obligations in terms of legal requirements	May include: <ul style="list-style-type: none"> <input type="checkbox"/> all required guards are in place and equipment complies with legal requirements <input type="checkbox"/> comply with all relevant road traffic regulations when operating or transporting on the public highway <input type="checkbox"/> comply with The Plant Protection Products (Sustainable Use) Regulations 2012 <input type="checkbox"/> the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 1.2	Describe how to apply pesticides safely using horizontal boom sprayers following industry best practice	Candidate to describe one operator safety regulation in terms of using horizontal boom sprayers Candidate to describe two precautions the operator may take to protect self from pesticide contamination when operating the prime mover When preparing the prime mover and sprayer, the candidate is to describe three checks which the operator may carry out to protect self from physical danger during operation Candidate to state four aspects of safe practice to be considered when driving on uneven/sloping terrain Candidate to state one consideration for safe driving on a public highway	May include: <ul style="list-style-type: none"> <input type="checkbox"/> comply with Pesticide Codes of Practice <input type="checkbox"/> adopt industry best practice <input type="checkbox"/> be aware of any safety implications imposed by Risk/COSHH assessment and comply with the requirements Sealed cab: <ul style="list-style-type: none"> <input type="checkbox"/> fit carbon filter <input type="checkbox"/> use of in-cab controls <input type="checkbox"/> ensure ventilation system is functional <input type="checkbox"/> close all windows <input type="checkbox"/> contaminated PPE stored in external locker <input type="checkbox"/> awareness of the siting of pressurised components within confines of cab Open cab/canopy/platform: <ul style="list-style-type: none"> <input type="checkbox"/> use of appropriate PPE <input type="checkbox"/> awareness of the siting of pressurised components within confines of cab/canopy/platform May include: <ul style="list-style-type: none"> <input type="checkbox"/> compatibility of prime mover and sprayer <input type="checkbox"/> front weights <input type="checkbox"/> wheel track width <input type="checkbox"/> correct tyre pressures <input type="checkbox"/> condition of tyres <input type="checkbox"/> brake function May include: <ul style="list-style-type: none"> <input type="checkbox"/> assess conditions <input type="checkbox"/> select four wheel drive <input type="checkbox"/> appropriate speed <input type="checkbox"/> correct gear selection <input type="checkbox"/> effect of changing load on stability <input type="checkbox"/> use of weights to stabilise prime mover <input type="checkbox"/> correct turning procedure <input type="checkbox"/> keep centre of gravity as low as possible May include: <ul style="list-style-type: none"> <input type="checkbox"/> independent brakes coupled together <input type="checkbox"/> travelling at high speed makes vehicle unstable <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 111 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	May include: <ul style="list-style-type: none"> <input type="checkbox"/> ground conditions <input type="checkbox"/> water courses <input type="checkbox"/> environmental margins/strips/areas <input type="checkbox"/> drains <input type="checkbox"/> boreholes <input type="checkbox"/> wildlife <input type="checkbox"/> non-target plants <input type="checkbox"/> sensitive crops/areas <input type="checkbox"/> hedgerows <input type="checkbox"/> housing <input type="checkbox"/> public access <input type="checkbox"/> other risks particular to the site <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 2.2	Explain how to minimise risks to the environment	Candidate to explain how to minimise the risks identified in 2.1 Candidate to state the reason for minimising spray drift or off target application Candidate to check and comment on wind speed and direction Candidate to state five factors that affect spray drift	Explanation may include the following points: <ul style="list-style-type: none"> <input type="checkbox"/> check and maintain application rate <input type="checkbox"/> avoid spray drift <input type="checkbox"/> avoid off target application <input type="checkbox"/> observe buffer zones <input type="checkbox"/> comply with LERAP requirements <input type="checkbox"/> inform neighbours <input type="checkbox"/> erect warning signs <input type="checkbox"/> use an appropriate pesticide (minimal environmental impact) <input type="checkbox"/> appropriate timing of application <input type="checkbox"/> avoidance of contamination to people and the environment <input type="checkbox"/> use of an anemometer at suitable height or visual signs <input type="checkbox"/> wind direction May include: <ul style="list-style-type: none"> <input type="checkbox"/> weather conditions <input type="checkbox"/> direction of spraying <input type="checkbox"/> nozzle type and size <input type="checkbox"/> pressure <input type="checkbox"/> forward speed <input type="checkbox"/> boom height <input type="checkbox"/> rotary atomiser speed <input type="checkbox"/> defective equipment <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 3.1 Unit 111 3.2 Continued	Read product information Interpret product information	The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label. The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment	May include the following: <ul style="list-style-type: none"> <input type="checkbox"/> product name <input type="checkbox"/> active substance(s) (ingredient(s)) Important information: <ul style="list-style-type: none"> <input type="checkbox"/> field of use <input type="checkbox"/> crop/target <input type="checkbox"/> maximum individual dose <input type="checkbox"/> maximum total dose <input type="checkbox"/> maximum number of treatments <input type="checkbox"/> specific product precautions/warnings <input type="checkbox"/> operator protection <input type="checkbox"/> environmental protection <input type="checkbox"/> restrictions on use Crop specific information: <ul style="list-style-type: none"> <input type="checkbox"/> crop/target <input type="checkbox"/> dose rate <input type="checkbox"/> water volume <input type="checkbox"/> timing 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 111 3.1 Unit 111 3.2			Mixing and spraying: <input type="checkbox"/> filling <input type="checkbox"/> reduced volume applications (if applicable) <input type="checkbox"/> recommended nozzles <input type="checkbox"/> recommended pressure <input type="checkbox"/> spray quality <input type="checkbox"/> additional label information <input type="checkbox"/> compatibility Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 4.1	Identify applicator components and controls	Candidate to identify all components and controls relating to the applicator being used for the assessment Identify and explain the use of two types of nozzle, one of which could be that intended for use (not applicable to Rotary Atomiser sprayers)	May include: <input type="checkbox"/> main spray tank <input type="checkbox"/> pump <input type="checkbox"/> pulsation damper <input type="checkbox"/> filling control and devices <input type="checkbox"/> agitation control <input type="checkbox"/> pressure adjustment control <input type="checkbox"/> pressure gauge <input type="checkbox"/> on/off control <input type="checkbox"/> boom isolators <input type="checkbox"/> boom section pressure compensation controls <input type="checkbox"/> filters <input type="checkbox"/> tank wash system <input type="checkbox"/> clean water tank(s) <input type="checkbox"/> nozzles/atomisers <input type="checkbox"/> diaphragm check valves <input type="checkbox"/> tank drain <input type="checkbox"/> other components/controls specific to the applicator May include: <input type="checkbox"/> flat fan – fine/medium/coarse spray <input type="checkbox"/> air inclusion – medium/coarse spray, low-drift <input type="checkbox"/> cone – fine spray, good coverage Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 4.2	Carry out pre-use checks to the prime mover	Candidate to carry out all pre-use checks relevant to the prime mover being used for the assessment	May include: <input type="checkbox"/> guards in place and in good condition <input type="checkbox"/> visual inspection of the wheels and tyres <input type="checkbox"/> tyre pressures <input type="checkbox"/> fuel level adequate <input type="checkbox"/> engine oil level is within acceptable limits <input type="checkbox"/> hydraulic oil level is within acceptable limits (if accessible) <input type="checkbox"/> transmission oil level is within acceptable limits (if accessible) <input type="checkbox"/> coolant level is adequate <input type="checkbox"/> engine air filter is clean Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 4.3 Continued	Carry out pre-use and operational checks to the sprayer	Candidate to carry out all pre-use and operational checks to the sprayer/applicator Check security of attachment of applicator mechanisms Check for mechanical defects	May include all/some of the following as applicable to the sprayer/applicator: <input type="checkbox"/> safe unfolding of booms to avoid personal contamination and contact with Over Head Power Lines (OHPL) and any other overhead hazards <input type="checkbox"/> fasteners tight <input type="checkbox"/> straps inspected and adjusted if necessary <input type="checkbox"/> linkage secure <input type="checkbox"/> sideways movement restricted <input type="checkbox"/> drawbar pin secured <input type="checkbox"/> seized, worn or damaged controls/components <input type="checkbox"/> atomiser drives and electrical connectors	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 111 4.3		<p>Check that the applicator is lubricated correctly</p> <p>Check boom settings, suspension and break-back devices</p> <p>Remove, clean and refit a filter</p> <p>Remove, clean/replace and refit a nozzle/restrictor</p> <p>Explain how to use the control panel to ensure that the applicator is functioning correctly (if applicable)</p> <p>Part fill applicator</p> <p>Check applicator for leaks and correct spray patterns</p> <p>State one suitable action in the event of the control panel failing (if applicable)</p>	<p><input type="checkbox"/> identification of lubrication points</p> <p><input type="checkbox"/> visual inspection of lubrication points</p> <p><input type="checkbox"/> visual inspection of levels</p> <p><input type="checkbox"/> boom suspension operational</p> <p><input type="checkbox"/> break-back efficiency</p> <p><input type="checkbox"/> height adjustment</p> <p>Candidate to:</p> <p><input type="checkbox"/> remove and clean using appropriate method</p> <p><input type="checkbox"/> contain spillage</p> <p><input type="checkbox"/> check for defects, replace if damaged</p> <p><input type="checkbox"/> refit</p> <p>Candidate to:</p> <p><input type="checkbox"/> remove and clean using appropriate method</p> <p><input type="checkbox"/> contain spillage</p> <p><input type="checkbox"/> check for defects replace if worn/damaged</p> <p><input type="checkbox"/> refit</p> <p>May include:</p> <p><input type="checkbox"/> functions of control panel</p> <p><input type="checkbox"/> recognition of malfunctions before and during operation</p> <p><input type="checkbox"/> check accuracy of base settings</p> <p><input type="checkbox"/> switch to manual/test mode where possible</p> <p>To include:</p> <p><input type="checkbox"/> suitable site selected</p> <p><input type="checkbox"/> fill by usual on-site method, following approved procedures</p> <p><input type="checkbox"/> clean water supply</p> <p>May include:</p> <p><input type="checkbox"/> suitable site selected</p> <p><input type="checkbox"/> use higher than normal operating pressure</p> <p><input type="checkbox"/> visual check of all nozzles/atomisers for correct spray patterns, absence of blockages, streaking, pulsing</p> <p><input type="checkbox"/> correct alignment</p> <p><input type="checkbox"/> replace defective nozzles/atomisers/discs</p> <p><input type="checkbox"/> lids and seals</p> <p><input type="checkbox"/> pipe work and connections</p> <p><input type="checkbox"/> control valves</p> <p><input type="checkbox"/> filters</p> <p><input type="checkbox"/> pressure gauge</p> <p><input type="checkbox"/> diaphragm check valves</p> <p>May include:</p> <p><input type="checkbox"/> stop pesticide application</p> <p><input type="checkbox"/> manual operation of controls if possible</p> <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 4.4	Calibrate the sprayer and record relevant data	<p>Candidate is required to calibrate the applicator and record relevant data</p> <p>Select and record forward speed</p> <p>Calculate required output/volume rate</p>	<p>Calibration may include the following:</p> <p><input type="checkbox"/> suitable forward speed for crop/target and ground conditions</p> <p><input type="checkbox"/> appropriate gear selected and engine speed established</p> <p><input type="checkbox"/> accurate measurement of distance</p> <p><input type="checkbox"/> accurate measurement of time taken to cover distance</p> <p><input type="checkbox"/> correct use of formula to establish forward speed</p> <p><input type="checkbox"/> correct use of formula</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued							

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 111 4.4		<p>Select appropriate nozzle/atomiser using manufacturers literature (if available)</p> <p>Set operating pressure/disc speed</p> <p>Check nozzle/atomiser outputs</p> <p>State four pieces of calibration data that should be recorded</p>	<input type="checkbox"/> use of manufacturers operators handbook <input type="checkbox"/> use of nozzle/atomiser manufacturers literature <input type="checkbox"/> confirm requirements of product label <input type="checkbox"/> pressure as determined by nozzle chart <input type="checkbox"/> disc speed as determined by manufacturers literature <input type="checkbox"/> pressurise/purge appropriate to the system <input type="checkbox"/> use a measuring jug to check output from at least one nozzle/atomiser per boom section (minimum of three per applicator) <input type="checkbox"/> compare with target output <input type="checkbox"/> vary pressure to make small adjustments <input type="checkbox"/> change nozzles/atomisers if required <input type="checkbox"/> or any other acceptable method May include: <input type="checkbox"/> registration number of vehicle <input type="checkbox"/> tyre size and pressure <input type="checkbox"/> gear selected <input type="checkbox"/> engine speed <input type="checkbox"/> vehicle forward speed <input type="checkbox"/> application volume <input type="checkbox"/> nozzle/atomiser fitted <input type="checkbox"/> pressure/disc speed <input type="checkbox"/> flow rate <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 4.5	Calculate the quantities of pesticide and water required	Candidate to calculate quantities required for both a specified area and full tank	To include: <input type="checkbox"/> amount of water required for specified area <input type="checkbox"/> amount of pesticide required for specified area <input type="checkbox"/> amount of pesticide required for full tank <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 5.1	Measure the required quantities and add to the sprayer	Candidate to measure and add quantities required for the area specified in 4.5 Note: This may be a simulated pesticide product	To include: <input type="checkbox"/> correct selection and use of PPE (as required by the product label and/or COSHH assessment) <input type="checkbox"/> observance of pesticide manufacturers instructions for mixing sequence and agitation (or other recommended method) <input type="checkbox"/> suitable site selected <input type="checkbox"/> clean water supply <input type="checkbox"/> accurate measurement of water <input type="checkbox"/> accurate measurement of pesticide <input type="checkbox"/> use of filling device (if fitted) <input type="checkbox"/> avoidance of spillage <input type="checkbox"/> return to secure storage <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 5.2	Demonstrate safe and accurate application procedures	Candidate to describe two possible methods to achieve accurate application Candidate to explain the appropriate procedure to follow when the applicator needs refilling part way through an application Candidate to explain the appropriate procedure to follow when a nozzle/restrictor becomes blocked during an application	May include any of the following: <input type="checkbox"/> tramlines <input type="checkbox"/> crop rows <input type="checkbox"/> blob markers <input type="checkbox"/> marker poles <input type="checkbox"/> marker dyes <input type="checkbox"/> use of GPS Explanation to include: <input type="checkbox"/> avoid contact with contaminated crop <input type="checkbox"/> mark the location at which the applicator emptied <input type="checkbox"/> refill applicator <input type="checkbox"/> continue spraying by accurately matching at the appropriate point Explanation to include: <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> care not to walk in contaminated crop <input type="checkbox"/> clean or replace nozzle/restrictor as appropriate	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 111 5.2		Candidate to apply pesticide to treat a specified area appropriate to the candidates normal work situation and sufficient to demonstrate safe and accurate application procedures	To include: <input type="checkbox"/> ensure boom is level or aligned to the target <input type="checkbox"/> correct boom height according to target and type of nozzle <input type="checkbox"/> operate controls to start and finish applying accurately at the beginning and end of each bout <input type="checkbox"/> correct forward speed and pressure <input type="checkbox"/> accurate matching of bouts / use of driving aids <input type="checkbox"/> coping with obstacles (if applicable) <input type="checkbox"/> all of specified area treated, minimising overlaps and misses <input type="checkbox"/> awareness of changes in wind speed and direction Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	To include: <input type="checkbox"/> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information and/or COSHH/Risk Assessment) <input type="checkbox"/> prevention of public / bystander contamination <input type="checkbox"/> safe filling procedure <input type="checkbox"/> avoidance of spray drift <input type="checkbox"/> avoidance of off-target application <input type="checkbox"/> avoidance of over dosing/under dosing crop/target Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 5.4	Complete a treatment record	Candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Completion of the treatment record must be: <input type="checkbox"/> accurate <input type="checkbox"/> legible (if handwritten) Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 6.1	Explain how to manage surplus pesticide and dispose of waste material	Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers or packaging Candidate to explain two methods of dealing with surplus dilute pesticide	May include: <input type="checkbox"/> return to temporary mobile store <input type="checkbox"/> return to fixed store Containers: <input type="checkbox"/> triple rinsed <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> returned to supplier <input type="checkbox"/> collected by licensed waste contractor Packaging: <input type="checkbox"/> thoroughly emptied <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> collected by licensed waste disposal contractor May include: <input type="checkbox"/> back on to site as long as it is below the maximum dose rate <input type="checkbox"/> use on another approved crop/target <input type="checkbox"/> treated by specialist treatment facility on site (e.g. a lined bio bed) <input type="checkbox"/> collected by licensed waste disposal contractor Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 111 6.2	Explain how to clean and decontaminate the sprayer and, if applicable, the prime mover	Candidate to explain four factors that need to be considered when cleaning and decontaminating the sprayer and, if applicable, the prime mover	May include: <ul style="list-style-type: none"> <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> appropriate site <input type="checkbox"/> thorough washing with water and suitable cleaning agent (if recommended/required) <input type="checkbox"/> internal and external surfaces <input type="checkbox"/> use of in-built wash systems if provided <input type="checkbox"/> care to ensure contamination 'hot-spots' are clean <input type="checkbox"/> thorough flushing of systems <input type="checkbox"/> safe disposal of contaminated washings <input type="checkbox"/> when cleaning should take place <input type="checkbox"/> safe procedures followed <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 111 6.3	Describe the storage requirements for the sprayer	Candidate to describe three factors to consider prior to storing the applicator	May include: <ul style="list-style-type: none"> <input type="checkbox"/> ensure the applicator is clean and dry <input type="checkbox"/> inspect for wear and damage <input type="checkbox"/> replace any worn or damaged parts <input type="checkbox"/> controls left in appropriate positions <input type="checkbox"/> frost protection measures implemented <input type="checkbox"/> lubricate as required <input type="checkbox"/> store undercover and out of direct sunlight <input type="checkbox"/> store in a secure area <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 112 - Operating Mounted, Trailed and Self Propelled Air / Fluid Nozzle Horizontal Boom Sprayers (PA2C)

Candidate A	Name:	Date:	Start Time:	Duration:
Candidate B	Name:	Date:	Start Time:	Duration:
Candidate C	Name:	Date:	Start Time:	Duration:
Candidate D	Name:	Date:	Start Time:	Duration:

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 112 1.1	Describe the legal requirements relating to applying pesticides using horizontal boom sprayers with thin fluid nozzles	Candidate to describe two operator's obligations in terms of legal requirements	May include: <ul style="list-style-type: none"> <input type="checkbox"/> all required guards are in place and equipment complies with legal requirements <input type="checkbox"/> comply with all relevant road traffic regulations when operating or transporting on the public highway <input type="checkbox"/> comply with The Plant Protection Products (Sustainable Use) Regulations 2012 <input type="checkbox"/> the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 1.2	Describe how to apply pesticides safely using horizontal boom sprayers following industry best practice	Candidate to describe one operator safety regulation in terms of using horizontal boom sprayers Candidate to describe two precautions the operator may take to protect self from pesticide contamination when operating the prime mover When preparing the prime mover and sprayer, the candidate is to describe three checks which the operator may carry out to protect self from physical danger during operation Candidate to state four aspects of safe practice to be considered when driving on uneven/sloping terrain Candidate to state one consideration for safe driving on a public highway	May include: <ul style="list-style-type: none"> <input type="checkbox"/> comply with Pesticides Codes of Practice <input type="checkbox"/> adopt industry best practice <input type="checkbox"/> be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements Cabbed: <ul style="list-style-type: none"> <input type="checkbox"/> fit carbon filter <input type="checkbox"/> use of in-cab controls <input type="checkbox"/> ensure ventilation system is functional <input type="checkbox"/> close all windows <input type="checkbox"/> contaminated PPE stored in external locker <input type="checkbox"/> awareness of the siting of pressurised components within confines of the cab Open cab/canopy/platform: <ul style="list-style-type: none"> <input type="checkbox"/> use of appropriate PPE <input type="checkbox"/> awareness of the siting of pressurised components within confines of the cab/canopy/platform May include: <ul style="list-style-type: none"> <input type="checkbox"/> compatibility of prime mover and sprayer <input type="checkbox"/> front weights <input type="checkbox"/> wheel track width <input type="checkbox"/> correct tyre pressures <input type="checkbox"/> condition of tyres <input type="checkbox"/> brake function May include: <ul style="list-style-type: none"> <input type="checkbox"/> assess conditions <input type="checkbox"/> select four wheel drive (if fitted) <input type="checkbox"/> appropriate speed <input type="checkbox"/> correct gear selection <input type="checkbox"/> effect of changing load on stability <input type="checkbox"/> use of weights to stabilise prime mover <input type="checkbox"/> correct turning procedure <input type="checkbox"/> keep centre of gravity as low as possible May include: <ul style="list-style-type: none"> <input type="checkbox"/> independent brakes coupled together <input type="checkbox"/> travelling at high speed makes vehicle unstable <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 112 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	May include: <ul style="list-style-type: none"> <input type="checkbox"/> ground conditions <input type="checkbox"/> water courses <input type="checkbox"/> environmental margins/strips/areas <input type="checkbox"/> drains <input type="checkbox"/> boreholes <input type="checkbox"/> wildlife <input type="checkbox"/> non-target plants <input type="checkbox"/> sensitive crops/areas <input type="checkbox"/> hedgerows <input type="checkbox"/> housing <input type="checkbox"/> public access <input type="checkbox"/> other risks particular to the site <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 2.2	Explain how to minimise risks to the environment	Candidate to explain how to minimise the risks identified in 2.1 Candidate to state the reason for minimising spray drift or off target application Candidate to check and comment on wind speed and direction Candidate to state five factors that affect spray drift	Explanation to include the following points: <ul style="list-style-type: none"> <input type="checkbox"/> check and maintain application rate <input type="checkbox"/> avoid spray drift <input type="checkbox"/> observe buffer zones <input type="checkbox"/> comply with LERAP requirements <input type="checkbox"/> inform neighbours <input type="checkbox"/> erect warning signs <input type="checkbox"/> use an appropriate pesticide (minimal environmental impact) <input type="checkbox"/> careful timing of application <input type="checkbox"/> avoidance of contamination to people and the environment <input type="checkbox"/> use of anemometer at suitable height or visual signs <input type="checkbox"/> wind direction May include: <ul style="list-style-type: none"> <input type="checkbox"/> weather conditions <input type="checkbox"/> direction of spraying <input type="checkbox"/> restrictor size <input type="checkbox"/> air pressure <input type="checkbox"/> fluid pressure <input type="checkbox"/> forward speed <input type="checkbox"/> boom height <input type="checkbox"/> defective equipment <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 3.1 Unit 112 3.2 Continued	Read product information Interpret product information	The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment	The following to be provided: <ul style="list-style-type: none"> <input type="checkbox"/> product name <input type="checkbox"/> active substance(s) (ingredient(s)) Important information: <ul style="list-style-type: none"> <input type="checkbox"/> field of use <input type="checkbox"/> crop/target <input type="checkbox"/> maximum individual dose <input type="checkbox"/> maximum total dose <input type="checkbox"/> maximum number of treatments <input type="checkbox"/> specific product precautions/warnings <input type="checkbox"/> operator protection <input type="checkbox"/> environmental protection <input type="checkbox"/> restrictions on use Crop specific information: <ul style="list-style-type: none"> <input type="checkbox"/> crop/target <input type="checkbox"/> dose rate <input type="checkbox"/> water volume <input type="checkbox"/> timing 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 112 4.3		<p>Check for mechanical defects</p> <p>Check that the applicator is lubricated correctly</p> <p>Check boom settings, suspension and break-back devices</p> <p>Remove, clean and refit a filter</p> <p>Remove, clean/replace and refit a nozzle restrictor and flood jet</p> <p>Explain how to use the control panel to ensure that the applicator is functioning correctly (if applicable)</p> <p>Part fill applicator</p> <p>Check applicator for leaks and correct spray patterns</p> <p>State one suitable action in the event of the control panel failing (if applicable)</p>	<p><input type="checkbox"/> seized, worn or damaged controls/components</p> <p><input type="checkbox"/> identification of lubrication points</p> <p><input type="checkbox"/> visual inspection of lubrication points</p> <p><input type="checkbox"/> visual inspection of levels</p> <p><input type="checkbox"/> boom suspension operational</p> <p><input type="checkbox"/> break-back efficiency</p> <p><input type="checkbox"/> height adjustment</p> <p>Candidate to:</p> <p><input type="checkbox"/> remove and clean using appropriate method</p> <p><input type="checkbox"/> contain spillage</p> <p><input type="checkbox"/> check for defects</p> <p><input type="checkbox"/> refit</p> <p>Candidate to:</p> <p><input type="checkbox"/> remove and clean using appropriate method</p> <p><input type="checkbox"/> contain spillage</p> <p><input type="checkbox"/> check for defects</p> <p><input type="checkbox"/> replace if worn/damaged</p> <p><input type="checkbox"/> refit</p> <p>May include:</p> <p><input type="checkbox"/> functions of control panel</p> <p><input type="checkbox"/> recognition of malfunctions before and during operation</p> <p><input type="checkbox"/> check accuracy of calibration</p> <p><input type="checkbox"/> switch to manual/test mode where applicable</p> <p><input type="checkbox"/> suitable site selected</p> <p><input type="checkbox"/> fill by usual on-site method, following approved procedures</p> <p><input type="checkbox"/> clean water supply</p> <p><input type="checkbox"/> use higher than normal operating pressure</p> <p><input type="checkbox"/> visual check of all nozzles for correct spray patterns, absence of blockages, streaking, pulsing and correct alignment</p> <p><input type="checkbox"/> replace defective nozzle restrictors and/or flood jets</p> <p><input type="checkbox"/> lids and seals</p> <p><input type="checkbox"/> liquid and air pipe work and connections</p> <p><input type="checkbox"/> control valves</p> <p><input type="checkbox"/> filters</p> <p><input type="checkbox"/> liquid and air pressure gauge</p> <p><input type="checkbox"/> diaphragm check valves</p> <p><input type="checkbox"/> stop pesticide application</p> <p><input type="checkbox"/> manual operation of controls if possible</p> <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 4.4	Calibrate the sprayer and record relevant data	<p>Candidate is required to calibrate the applicator and record relevant data</p> <p>Select and record forward speed</p> <p>Calculate required output/volume rate</p>	<p>Calibration may include the following:</p> <p><input type="checkbox"/> suitable forward speed for crop/target and ground conditions</p> <p><input type="checkbox"/> appropriate gear selected and engine speed established (if applicable)</p> <p><input type="checkbox"/> accurate measurement of distance</p> <p><input type="checkbox"/> accurate measurement of time taken to cover distance</p> <p><input type="checkbox"/> correct use of formula to establish forward speed</p> <p><input type="checkbox"/> correct use of formula</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued							

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 112 4.4		<p>Select appropriate nozzle restrictor using manufacturers literature (if available)</p> <p>Set operating pressure for liquid and air</p> <p>Check nozzle outputs</p> <p>State four pieces of calibration data that should be recorded</p>	<input type="checkbox"/> use of manufacturers operators handbook <input type="checkbox"/> use of manufacturers literature <input type="checkbox"/> confirm requirements of product label <input type="checkbox"/> pressure as determined by manufacturers literature <input type="checkbox"/> pressurise/purge appropriate to the system <input type="checkbox"/> use a measuring jug to check output from at least one nozzle per boom section (minimum of three per applicator) <input type="checkbox"/> compare with target output <input type="checkbox"/> vary pressure to make small adjustments <input type="checkbox"/> change nozzle restrictors and/or flood jets if required <input type="checkbox"/> or any other acceptable method May include: <input type="checkbox"/> registration number of vehicle <input type="checkbox"/> tyre size and pressure <input type="checkbox"/> gear selected <input type="checkbox"/> engine speed <input type="checkbox"/> vehicle forward speed <input type="checkbox"/> application volume <input type="checkbox"/> nozzle restrictor fitted <input type="checkbox"/> air pressure <input type="checkbox"/> liquid pressure <input type="checkbox"/> flow rate <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 4.5	Calculate the quantities of pesticide and water required for a specified area	Candidate to calculate quantities required for both a specified area and full tank	To include: <input type="checkbox"/> amount of water required for specified area <input type="checkbox"/> amount of pesticide required for specified area <input type="checkbox"/> amount of pesticide required for full tank <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 5.1	Measure the required quantities and add to the sprayer	Candidate to measure and add quantities required for the area specified in 4.5 Note: This may be a simulated pesticide product	To include: <input type="checkbox"/> correct selection and use of PPE (as required by the product label and/or COSHH Assessment) <input type="checkbox"/> suitable site selected <input type="checkbox"/> fill by usual on-site method, following approved procedures <input type="checkbox"/> clean water supply <input type="checkbox"/> accurate measurement of water <input type="checkbox"/> accurate measurement of pesticide <input type="checkbox"/> correct filling procedure <input type="checkbox"/> use of filling device if fitted <input type="checkbox"/> avoidance of spillage <input type="checkbox"/> observance of pesticide manufacturers instructions for mixing and agitation <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 5.2	Demonstrate safe and accurate application procedures	Candidate to describe two possible methods to achieve accurate application Candidate to explain the appropriate procedure to follow when the applicator needs refilling part way through an application	May include any of the following; <input type="checkbox"/> tramlines <input type="checkbox"/> crop rows <input type="checkbox"/> blob markers <input type="checkbox"/> marker poles <input type="checkbox"/> marker dyes <input type="checkbox"/> use of GPS Explanation to include: <input type="checkbox"/> avoid contact with contaminated crop <input type="checkbox"/> mark the spot at which the applicator emptied <input type="checkbox"/> refill applicator <input type="checkbox"/> continue spraying by accurately matching at the appropriate point	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 112 5.2		<p>Candidate to explain the appropriate procedure to follow when a nozzle restrictor or flood jet becomes blocked during an application</p> <p>Candidate to apply pesticide to treat a specified area appropriate the candidates normal work situation and sufficient enough to demonstrate safe and accurate application procedures</p>	<p>Explanation to include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> care not to walk in contaminated crop <input type="checkbox"/> clean or replace nozzle restrictor or flood jet as appropriate <p>To include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> ensure boom is level or aligned to the target <input type="checkbox"/> correct boom height according to target and type of nozzle <input type="checkbox"/> operate controls to start and finish applying accurately at the beginning and end of each bout <input type="checkbox"/> correct forward speed and pressure for site conditions <input type="checkbox"/> accurate matching of bouts / use of driving aids <input type="checkbox"/> coping with obstacles <input type="checkbox"/> all of specified area treated, minimising overlaps and misses <input type="checkbox"/> awareness of changes in wind speed and direction <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	<p>To include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product label and/or COSHH Assessment) <input type="checkbox"/> prevention of public / bystander contamination <input type="checkbox"/> safe filling procedure <input type="checkbox"/> avoidance of spray drift <input type="checkbox"/> avoidance of off-target application <input type="checkbox"/> avoidance of over dosing/under dosing crop/target <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 5.4	Complete a treatment record	<p>Candidate is required to complete a treatment record</p> <p>Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)</p>	<p>Completion of the treatment record must be:</p> <ul style="list-style-type: none"> <input type="checkbox"/> accurate <input type="checkbox"/> legible (if handwritten) <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 6.1	Explain how to manage surplus pesticide and dispose of waste material	<p>Candidate to explain one method of dealing with surplus concentrate pesticide</p> <p>Candidate to explain two methods of dealing with waste containers and packaging</p> <p>Candidate to explain two methods of dealing with surplus dilute pesticide</p>	<p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> return to temporary mobile store <input type="checkbox"/> return to fixed store <p>Containers:</p> <ul style="list-style-type: none"> <input type="checkbox"/> triple rinsed <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> returned to supplier <input type="checkbox"/> collected by a licensed waste disposal contractor <p>Packaging:</p> <ul style="list-style-type: none"> <input type="checkbox"/> thoroughly emptied <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> collected by a licensed waste disposal contractor <p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> back on to site as long as it is below the maximum dose rate <input type="checkbox"/> use on another approved crop/target <input type="checkbox"/> treated by specialist treatment facility on site (e.g. a lined bio bed) <input type="checkbox"/> collected by a licensed waste disposal contractor <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 112 6.2	Explain how to clean and decontaminate the sprayer and, if applicable, the prime mover	Candidate to explain four factors need to be considered when cleaning and decontaminating the sprayer and, if applicable, the prime mover	May include: <ul style="list-style-type: none"> <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> appropriate site <input type="checkbox"/> thorough washing with water and suitable additive if required <input type="checkbox"/> internal and external surfaces <input type="checkbox"/> use of in-built wash systems if provided <input type="checkbox"/> care to ensure contamination 'hot-spots' are clean <input type="checkbox"/> thorough flushing of systems <input type="checkbox"/> safe disposal of contaminated washings <input type="checkbox"/> when cleaning should take place <input type="checkbox"/> safe procedures followed <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 112 6.3	Describe the storage requirements for the sprayer	Candidate to describe three factors to consider prior to storing the applicator	May include: <ul style="list-style-type: none"> <input type="checkbox"/> ensure the applicator is clean and dry <input type="checkbox"/> inspect for wear and damage <input type="checkbox"/> replace any worn or damaged parts <input type="checkbox"/> controls left in appropriate positions <input type="checkbox"/> frost protection measures implemented <input type="checkbox"/> lubricate as required <input type="checkbox"/> store undercover and out of direct sunlight <input type="checkbox"/> store in a secure area <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 113 - Operating Mounted, Trailed and Self Propelled Downward Air Assisted Horizontal Boom Sprayers (PA2E)

Candidate A	Name:	Date:	Start Time:	Duration:
Candidate B	Name:	Date:	Start Time:	Duration:
Candidate C	Name:	Date:	Start Time:	Duration:
Candidate D	Name:	Date:	Start Time:	Duration:

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 113 1.1	Describe the legal requirements relating to applying pesticides using horizontal boom sprayers	Candidate to describe two operator's obligations in terms of legal requirements	May include: <ul style="list-style-type: none"> <input type="checkbox"/> all required guards are in place and equipment complies with legal requirements <input type="checkbox"/> comply with all relevant road traffic regulations when operating or transporting on the public highway <input type="checkbox"/> comply with The Plant Protection Products (Sustainable Use) Regulations 2012 <input type="checkbox"/> the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 1.2	Describe how to apply pesticides safely using horizontal boom sprayers following industry best practice	Candidate to describe one operator safety regulation in terms of using horizontal boom sprayers Candidate to describe two precautions the operator may take to protect self from pesticide contamination when operating the prime mover When preparing the prime mover and sprayer, the candidate is to describe three checks which the operator may carry out to protect self from physical danger during operation Candidate to state four aspects of safe practice to be considered when driving on uneven/sloping terrain Candidate to state one consideration for safe driving on a public highway	May include: <ul style="list-style-type: none"> <input type="checkbox"/> comply with Pesticides Codes of Practice <input type="checkbox"/> adopt industry best practice <input type="checkbox"/> be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements Cabbed: <ul style="list-style-type: none"> <input type="checkbox"/> fit carbon filter <input type="checkbox"/> use of in-cab controls <input type="checkbox"/> ensure ventilation system is functional <input type="checkbox"/> close all windows <input type="checkbox"/> contaminated PPE stored in external locker <input type="checkbox"/> awareness of the siting of pressurised components within confines of the cab Open cab/canopy/platform: <ul style="list-style-type: none"> <input type="checkbox"/> use of appropriate PPE <input type="checkbox"/> awareness of the siting of pressurised components within confines of the cab/canopy/platform May include: <ul style="list-style-type: none"> <input type="checkbox"/> compatibility of prime mover and sprayer <input type="checkbox"/> front weights <input type="checkbox"/> wheel track width <input type="checkbox"/> correct tyre pressures <input type="checkbox"/> condition of tyres <input type="checkbox"/> brake function May include: <ul style="list-style-type: none"> <input type="checkbox"/> assess conditions <input type="checkbox"/> select four wheel drive (if fitted) <input type="checkbox"/> appropriate speed <input type="checkbox"/> correct gear selection <input type="checkbox"/> effect of changing load on stability <input type="checkbox"/> use of weights to stabilise prime mover <input type="checkbox"/> correct turning procedure <input type="checkbox"/> keep centre of gravity as low as possible May include: <ul style="list-style-type: none"> <input type="checkbox"/> independent brakes coupled together <input type="checkbox"/> travelling at high speed makes vehicle unstable <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 113 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	May include: <ul style="list-style-type: none"> <input type="checkbox"/> ground conditions <input type="checkbox"/> water courses <input type="checkbox"/> environmental margins/strips/areas <input type="checkbox"/> drains <input type="checkbox"/> boreholes <input type="checkbox"/> wildlife <input type="checkbox"/> non-target plants <input type="checkbox"/> sensitive crops/areas <input type="checkbox"/> hedgerows <input type="checkbox"/> housing <input type="checkbox"/> public access <input type="checkbox"/> other risks particular to the site <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 2.2	Explain how to minimise risks to the environment	Candidate to explain how to minimise the risks identified in 2.1 Candidate to state the reason for minimising spray drift or off target application Candidate to check and comment on wind speed and direction Candidate to state five factors that affect spray drift	Explanation to include the following points: <ul style="list-style-type: none"> <input type="checkbox"/> check and maintain application rate <input type="checkbox"/> avoid spray drift <input type="checkbox"/> observe buffer zones <input type="checkbox"/> comply with LERAP requirements <input type="checkbox"/> inform neighbours <input type="checkbox"/> erect warning signs <input type="checkbox"/> use an appropriate pesticide (minimal environmental impact) <input type="checkbox"/> careful timing of application <input type="checkbox"/> avoidance of contamination to people and the environment <input type="checkbox"/> use of anemometer at suitable heights or visual signs <input type="checkbox"/> wind direction May include: <ul style="list-style-type: none"> <input type="checkbox"/> weather conditions <input type="checkbox"/> direction of spraying <input type="checkbox"/> nozzle type and size <input type="checkbox"/> air outlet/nozzle angle <input type="checkbox"/> air assistance <input type="checkbox"/> liquid pressure <input type="checkbox"/> forward speed <input type="checkbox"/> boom height <input type="checkbox"/> defective equipment <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 3.1	Read product information	The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor	The following to be provided: <ul style="list-style-type: none"> <input type="checkbox"/> product name <input type="checkbox"/> active substance(s) (ingredient(s)) <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 3.2	Interpret product information	Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label. The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment	Important information: <ul style="list-style-type: none"> <input type="checkbox"/> field of use <input type="checkbox"/> crop/target <input type="checkbox"/> maximum individual dose <input type="checkbox"/> maximum total dose <input type="checkbox"/> maximum number of treatments <input type="checkbox"/> specific product precautions/warnings <input type="checkbox"/> operator protection <input type="checkbox"/> environmental protection <input type="checkbox"/> restrictions on use 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued							

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 113 3.2			Crop specific information: <input type="checkbox"/> crop/target <input type="checkbox"/> dose rate <input type="checkbox"/> water volume <input type="checkbox"/> timing Mixing and spraying: <input type="checkbox"/> filling <input type="checkbox"/> reduced volume applications (if applicable) <input type="checkbox"/> recommended nozzles <input type="checkbox"/> recommended pressure <input type="checkbox"/> spray quality <input type="checkbox"/> additional label information <input type="checkbox"/> compatibility Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 4.1	Identify applicator components and controls	Candidate to identify all components and controls relating to the applicator being used for the assessment Identify and explain the use of two types of nozzle, one of which could be that intended for use (if applicable)	May include: <input type="checkbox"/> main spray tank <input type="checkbox"/> pump <input type="checkbox"/> pressure relief device <input type="checkbox"/> pulsation damper <input type="checkbox"/> filling control and devices <input type="checkbox"/> agitation control <input type="checkbox"/> liquid pressure adjustment control <input type="checkbox"/> fan <input type="checkbox"/> air intake <input type="checkbox"/> air bag/sleeve <input type="checkbox"/> fan speed adjustment control <input type="checkbox"/> air outlet angle control <input type="checkbox"/> fan speed indicator <input type="checkbox"/> on/off control <input type="checkbox"/> boom isolators <input type="checkbox"/> boom section pressure compensation controls <input type="checkbox"/> filters <input type="checkbox"/> tank wash system <input type="checkbox"/> clean water tank <input type="checkbox"/> nozzles <input type="checkbox"/> nozzle angle control <input type="checkbox"/> diaphragm check valves <input type="checkbox"/> tank drain <input type="checkbox"/> other components/controls specific to the applicator May include: <input type="checkbox"/> flat fan – fine/medium/coarse spray <input type="checkbox"/> air inclusion – medium/coarse spray, low drift <input type="checkbox"/> cone – fine spray, good coverage Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 4.2	Carry out pre-use checks to the prime mover	Candidate to carry out all pre-use checks relevant to the prime mover being used for the assessment	May include: <input type="checkbox"/> visual inspection of the wheels and tyres <input type="checkbox"/> tyre pressures <input type="checkbox"/> fuel level adequate <input type="checkbox"/> engine oil level is within acceptable limits <input type="checkbox"/> hydraulic oil level is within acceptable limits (if accessible) <input type="checkbox"/> transmission oil level is within acceptable limits (if accessible) <input type="checkbox"/> coolant level is adequate <input type="checkbox"/> engine air filter is clean Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 113 4.3	Carry out pre-use and operational checks to the sprayer	<p>Candidate to carry out all pre-use and operational checks to the sprayer/applicator</p> <p>Check security of attachment of applicator mechanisms</p> <p>Check for mechanical defects</p> <p>Check that the applicator is lubricated correctly</p> <p>Check boom settings, suspension and break-back devices</p> <p>Remove, clean and refit a filter</p> <p>Remove, clean/replace and refit a nozzle</p> <p>Explain how to use the control panel to ensure that the applicator is functioning correctly (if applicable)</p> <p>Part fill applicator</p> <p>Check applicator for liquid and air leaks, and correct spray patterns</p> <p>State one suitable action in the event of the control panel failing (if applicable)</p>	<p>May include all/some of the following as applicable to the sprayer/applicator:</p> <p><input type="checkbox"/> Safe unfolding of booms to avoid personal contamination and contact with Over Head Power Lines (OHPL) and any other over head hazards</p> <p><input type="checkbox"/> fasteners tight</p> <p><input type="checkbox"/> straps inspected and adjusted if necessary</p> <p><input type="checkbox"/> linkage secure</p> <p><input type="checkbox"/> sideways movement restricted</p> <p><input type="checkbox"/> drawbar pin secured</p> <p><input type="checkbox"/> seized, worn or damaged controls/components</p> <p><input type="checkbox"/> identification of lubrication points</p> <p><input type="checkbox"/> visual inspection of lubrication points</p> <p><input type="checkbox"/> visual inspection of levels</p> <p><input type="checkbox"/> boom suspension operational</p> <p><input type="checkbox"/> break-back efficiency</p> <p><input type="checkbox"/> height adjustment</p> <p><input type="checkbox"/> Candidate to:</p> <p><input type="checkbox"/> remove and clean using appropriate method</p> <p><input type="checkbox"/> contain spillage</p> <p><input type="checkbox"/> check for defects</p> <p><input type="checkbox"/> refit</p> <p>Candidate to:</p> <p><input type="checkbox"/> remove and clean using appropriate method</p> <p><input type="checkbox"/> contain spillage</p> <p><input type="checkbox"/> check for defects</p> <p><input type="checkbox"/> replace if worn/damaged</p> <p><input type="checkbox"/> refit</p> <p><input type="checkbox"/> functions of control panel</p> <p><input type="checkbox"/> recognition of malfunctions before and during operation</p> <p><input type="checkbox"/> check accuracy of calibration</p> <p><input type="checkbox"/> switch to manual/test mode where applicable</p> <p><input type="checkbox"/> suitable site selected</p> <p><input type="checkbox"/> fill by usual on-site method, following approved procedures</p> <p><input type="checkbox"/> clean water supply</p> <p><input type="checkbox"/> use higher than normal operating pressure</p> <p><input type="checkbox"/> visual check of all nozzles for correct spray patterns, absence of blockages, streaking, pulsing and correct alignment</p> <p><input type="checkbox"/> replace defective nozzles</p> <p><input type="checkbox"/> lids and seals</p> <p><input type="checkbox"/> liquid pipe work and connections</p> <p><input type="checkbox"/> air bag/sleeve</p> <p><input type="checkbox"/> control valves</p> <p><input type="checkbox"/> filters</p> <p><input type="checkbox"/> liquid pressure gauge</p> <p><input type="checkbox"/> diaphragm check valves</p> <p><input type="checkbox"/> stop pesticide application</p> <p><input type="checkbox"/> manual operation of controls if possible</p> <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 113 4.4	Calibrate the sprayer and record relevant data	<p>Candidate is required to calibrate the applicator and record relevant data</p> <p>Select and record forward speed</p> <p>Calculate required output/volume rate</p> <p>Select appropriate nozzle and air speed using manufacturers literature (if available)</p> <p>Set operating pressure for liquid, and set air speed</p> <p>Check nozzle outputs</p> <p>Note to the Assessor: air assistance not required when checking nozzle output</p> <p>State four pieces of calibration data that should be recorded</p>	<p>Calibration may include the following:</p> <ul style="list-style-type: none"> <input type="checkbox"/> suitable forward speed for crop/target and ground conditions <input type="checkbox"/> appropriate gear selected and engine speed established (if applicable) <input type="checkbox"/> accurate measurement of distance <input type="checkbox"/> accurate measurement of time taken to cover distance <input type="checkbox"/> correct use of formula to establish forward speed <input type="checkbox"/> correct use of formula <input type="checkbox"/> use of manufacturers operators handbook <input type="checkbox"/> use of manufacturers literature <input type="checkbox"/> confirm requirements of product label <input type="checkbox"/> liquid pressure as determined by manufacturers literature <input type="checkbox"/> air speed as determined by manufacturers literature <input type="checkbox"/> pressurise/purge appropriate to the system <input type="checkbox"/> use a measuring jug to check output from at least one nozzle per boom section (minimum of three per applicator) <input type="checkbox"/> compare with target output <input type="checkbox"/> vary pressure to make small adjustments <input type="checkbox"/> change nozzles if required <input type="checkbox"/> or any other acceptable method <p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> registration number of vehicle <input type="checkbox"/> tyre size and pressure <input type="checkbox"/> gear selected <input type="checkbox"/> engine speed <input type="checkbox"/> vehicle forward speed <input type="checkbox"/> application volume <input type="checkbox"/> nozzles fitted <input type="checkbox"/> liquid pressure <input type="checkbox"/> flow rate <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 4.5	Calculate the quantities of pesticide and water required for a specified area	Candidate to calculate quantities required for both a specified area and full tank	<p>To include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> amount of water required for specified area <input type="checkbox"/> amount of pesticide required for specified area <input type="checkbox"/> amount of pesticide required for full tank <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 5.1	Measure the required quantities and add to the sprayer	<p>Candidate to measure and add quantities required for the area specified in 4.5</p> <p>Note: This may be a simulated pesticide product</p>	<p>To include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> correct selection and use of PPE (as required by the product label and/or COSHH Assessment) <input type="checkbox"/> suitable site selected <input type="checkbox"/> fill by usual on-site method, following approved procedures <input type="checkbox"/> clean water supply <input type="checkbox"/> accurate measurement of water <input type="checkbox"/> accurate measurement of pesticide <input type="checkbox"/> correct filling procedure <input type="checkbox"/> use of filling device if fitted <input type="checkbox"/> avoidance of spillage <input type="checkbox"/> observance of pesticide manufacturers instructions for mixing and agitation <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 113 5.2	Demonstrate safe and accurate application procedures	<p>Candidate to describe two possible methods to achieve accurate application</p> <p>Candidate to explain the appropriate procedure to follow when the applicator needs refilling part way through an application</p> <p>Candidate to explain the appropriate procedure to follow when a nozzle becomes blocked during an application</p> <p>Candidate to explain the appropriate procedure to follow in the event of the failure of the air assistance system</p> <p>Candidate to state two effects of increasing the speed of air assistance</p> <p>Candidate to explain two reasons for adjusting air outlet angle and/or nozzle angle</p> <p>Candidate to apply pesticide to treat a specified area appropriate to the candidates normal work situation and sufficient to demonstrate safe and accurate application procedures</p>	<p>May include any of the following:</p> <ul style="list-style-type: none"> <input type="checkbox"/> tramlines <input type="checkbox"/> crop rows <input type="checkbox"/> blob markers <input type="checkbox"/> marker poles <input type="checkbox"/> marker dyes <input type="checkbox"/> use of GPS <p>Explanation to include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> avoid contact with contaminated crop <input type="checkbox"/> mark the spot at which the applicator emptied <input type="checkbox"/> refill applicator <input type="checkbox"/> continue spraying by accurately matching at the appropriate point <p>Explanation to include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> care not to walk in contaminated crop <input type="checkbox"/> clean or replace nozzle as appropriate <ul style="list-style-type: none"> <input type="checkbox"/> stop spraying <input type="checkbox"/> continue to spray without using downwards air assistance (if conditions allow) <p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> keeps the air bag/sleeve inflated over its entire length <input type="checkbox"/> a larger air volume is produced, which may; <ul style="list-style-type: none"> <input type="checkbox"/> improve penetration of the spray into the crop <input type="checkbox"/> lead to excessive drift <p>May include:</p> <p>inclining forward will:</p> <ul style="list-style-type: none"> <input type="checkbox"/> open the crop canopy and counteract the effect on the spray created by the forward speed of the sprayer <input type="checkbox"/> counteract the effect on the spray created by a head wind <p>inclining rearward will:</p> <ul style="list-style-type: none"> <input type="checkbox"/> open the crop canopy and counteract the effect on the spray created by a tail wind <p>To include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> ensure boom is level or aligned to the target <input type="checkbox"/> correct boom height according to target and type of nozzle <input type="checkbox"/> correct air speed according to target and conditions <input type="checkbox"/> correct air outlet and nozzle angle according to target and conditions <input type="checkbox"/> operate controls to start and finish applying accurately at the beginning and end of each bout <input type="checkbox"/> correct forward speed and pressure for site conditions <input type="checkbox"/> accurate matching of bouts / use of driving aids <input type="checkbox"/> coping with obstacles <input type="checkbox"/> all of specified area treated, minimising overlaps and misses <input type="checkbox"/> awareness of changes in wind speed and direction <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 113 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	To include: <input type="checkbox"/> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product label and/or COSHH Assessment) <input type="checkbox"/> prevention of public / bystander contamination <input type="checkbox"/> safe filling procedure <input type="checkbox"/> avoidance of spray drift <input type="checkbox"/> avoidance of off target application <input type="checkbox"/> avoidance of over dosing/under dosing crop/target Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 5.4	Complete a treatment record	Candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Completion of the treatment record must be: <input type="checkbox"/> accurate <input type="checkbox"/> legible (if handwritten) Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 6.1	Explain how to manage surplus pesticide and dispose of waste material	Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers and packaging	May include: <input type="checkbox"/> return to temporary mobile store <input type="checkbox"/> return to fixed store containers: <input type="checkbox"/> triple rinsed <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> returned to supplier <input type="checkbox"/> collected by a licensed waste disposal contractor packaging: <input type="checkbox"/> thoroughly emptied <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> collected by a licensed waste disposal contractor May include: <input type="checkbox"/> back on to site as long as it is below the maximum dose rate <input type="checkbox"/> use on another approved crop/target <input type="checkbox"/> treated by specialist treatment facility on site (e.g. a lined bio bed) <input type="checkbox"/> collected by a licensed waste disposal contractor Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 6.2	Explain how to clean and decontaminate the sprayer and, if applicable, the prime mover	Candidate to explain four factors that need to be considered when cleaning and decontaminating the sprayer and, if applicable, the prime mover	May include: <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> appropriate site <input type="checkbox"/> thorough washing with water and suitable additive if required <input type="checkbox"/> internal and external surfaces <input type="checkbox"/> use of in-built wash systems if provided <input type="checkbox"/> care to ensure contamination 'hot-spots' are clean <input type="checkbox"/> thorough flushing of systems, including air bag/sleeve <input type="checkbox"/> safe disposal of contaminated washings <input type="checkbox"/> when cleaning should take place <input type="checkbox"/> safe procedures followed Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 113 6.3	Describe the storage requirements for the sprayer	Candidate to describe three factors to consider prior to storing the applicator	May include: <input type="checkbox"/> ensure the applicator is clean and dry <input type="checkbox"/> inspect for wear and damage <input type="checkbox"/> replace any worn or damaged parts <input type="checkbox"/> controls left in appropriate positions <input type="checkbox"/> frost protection measures implemented <input type="checkbox"/> lubricate as required <input type="checkbox"/> store undercover and out of direct sunlight <input type="checkbox"/> store in a secure area Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 114 - Operating Mounted or Trailed Wick Type Applicators (PA2F)

Candidate A	Name:	Date:	Start Time:	Duration:
Candidate B	Name:	Date:	Start Time:	Duration:
Candidate C	Name:	Date:	Start Time:	Duration:
Candidate D	Name:	Date:	Start Time:	Duration:

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 114 1.1	Describe the legal requirements relating to applying pesticides using wick type applicators	Candidate to describe two operator's obligations in terms of legal requirements	May include: <ul style="list-style-type: none"> <input type="checkbox"/> all required guards are in place and equipment complies with legal requirements <input type="checkbox"/> comply with all relevant road traffic regulations when operating or transporting on the public highway <input type="checkbox"/> comply with The Plant Protection Products (Sustainable Use) Regulations 2012 <input type="checkbox"/> the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 1.2	Describe how to apply pesticides safely using wick type applicators following industry best practice	Candidate to describe one operator safety regulation in terms of using wick type applicators Candidate to describe two precautions the operator may take to protect self from pesticide contamination when operating the prime mover When preparing the prime mover and applicator, the candidate is to describe three checks which the operator may carry out to protect self from physical danger during operation Candidate to state four aspects of safe practice to be considered when driving on uneven/sloping terrain Candidate to state one consideration for safe driving on a public highway	May include: <ul style="list-style-type: none"> <input type="checkbox"/> comply with Pesticides Codes of Practice <input type="checkbox"/> adopt industry best practice <input type="checkbox"/> be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements Cabbed: <ul style="list-style-type: none"> <input type="checkbox"/> fit carbon filter <input type="checkbox"/> use of in-cab controls <input type="checkbox"/> ensure ventilation system is functional <input type="checkbox"/> close all windows <input type="checkbox"/> contaminated PPE stored in external locker Open cab/canopy/platform: <ul style="list-style-type: none"> <input type="checkbox"/> use of appropriate PPE May include: <ul style="list-style-type: none"> <input type="checkbox"/> compatibility of prime mover and sprayer <input type="checkbox"/> front weights <input type="checkbox"/> wheel track width <input type="checkbox"/> correct tyre pressures <input type="checkbox"/> condition of tyres <input type="checkbox"/> brake function May include: <ul style="list-style-type: none"> <input type="checkbox"/> assess conditions <input type="checkbox"/> select four wheel drive (if fitted) <input type="checkbox"/> appropriate speed <input type="checkbox"/> correct gear selection <input type="checkbox"/> effect of changing load on stability <input type="checkbox"/> use of weights to stabilise prime mover <input type="checkbox"/> correct turning procedure <input type="checkbox"/> keep centre of gravity as low as possible May include: <ul style="list-style-type: none"> <input type="checkbox"/> independent brakes coupled together <input type="checkbox"/> travelling at high speed makes vehicle unstable <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 114 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	May include: <ul style="list-style-type: none"> <input type="checkbox"/> ground conditions <input type="checkbox"/> water courses <input type="checkbox"/> environmental margins/strips/areas <input type="checkbox"/> drains <input type="checkbox"/> boreholes <input type="checkbox"/> wildlife <input type="checkbox"/> non-target plants <input type="checkbox"/> sensitive crops/areas <input type="checkbox"/> hedgerows <input type="checkbox"/> housing <input type="checkbox"/> public access <input type="checkbox"/> other risks particular to the site <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 2.2	Explain how to minimise risks to the environment	Candidate to explain how to minimise the risks identified in 2.1 Candidate to state the reason for minimising off target application	Explanation to include the following points: <ul style="list-style-type: none"> <input type="checkbox"/> check and maintain application rate <input type="checkbox"/> observe buffer zones <input type="checkbox"/> inform neighbours <input type="checkbox"/> erect warning signs <input type="checkbox"/> use an appropriate pesticide (minimal environmental impact) <input type="checkbox"/> careful timing of application <input type="checkbox"/> avoidance of contamination to people and the environment <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 3.1 3.2	Read product information Interpret product information	The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label. The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment	The following to be provided: <ul style="list-style-type: none"> <input type="checkbox"/> product name <input type="checkbox"/> active substance(s) (ingredient(s)) Important information: <ul style="list-style-type: none"> <input type="checkbox"/> field of use <input type="checkbox"/> crop/target <input type="checkbox"/> maximum individual dose <input type="checkbox"/> maximum total dose <input type="checkbox"/> maximum number of treatments <input type="checkbox"/> specific product precautions/warnings <input type="checkbox"/> operator protection <input type="checkbox"/> environmental protection <input type="checkbox"/> restrictions on use Crop specific information: <ul style="list-style-type: none"> <input type="checkbox"/> crop/target <input type="checkbox"/> dose rate <input type="checkbox"/> timing <input type="checkbox"/> dilution rate <input type="checkbox"/> mixing and filling <input type="checkbox"/> additional label information <input type="checkbox"/> compatibility <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 4.1 Continued	Identify applicator components and controls	Candidate to identify all components and controls relating to the applicator being used for the assessment	May include: <ul style="list-style-type: none"> <input type="checkbox"/> main tank <input type="checkbox"/> wick <input type="checkbox"/> pump <input type="checkbox"/> filling control and devices <input type="checkbox"/> agitation control <input type="checkbox"/> pressure adjustment control <input type="checkbox"/> pressure gauge <input type="checkbox"/> on/off control <input type="checkbox"/> filters <input type="checkbox"/> clean water tank 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 114 4.1			<input type="checkbox"/> nozzles/distribution system <input type="checkbox"/> diaphragm check valves <input type="checkbox"/> tank drain <input type="checkbox"/> other components/controls specific to the applicator <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 4.2	Carry out pre-use checks to the prime mover	Candidate to carry out all pre-use checks relevant to the prime mover being used for the assessment	May include: <input type="checkbox"/> guards in place and in good condition <input type="checkbox"/> visual inspection of the wheels and tyres <input type="checkbox"/> tyre pressures <input type="checkbox"/> fuel level adequate <input type="checkbox"/> engine oil level is within acceptable limits <input type="checkbox"/> hydraulic oil level is within acceptable limits (if accessible) <input type="checkbox"/> transmission oil level is within acceptable limits (if accessible) <input type="checkbox"/> coolant level is adequate <input type="checkbox"/> engine air filter is clean <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 4.3	Carry out pre-use and operational checks to the applicator	Candidate to carry out all pre-use and operational checks to the applicator Check security of attachment of applicator mechanisms Check for mechanical defects Check that the applicator is lubricated correctly Remove, clean and refit a filter Part fill applicator Check applicator for leaks and correct distribution	May include all/some of the following as applicable to the applicator: <input type="checkbox"/> Safe unfolding of booms to avoid personal contamination and contact with Over Head Power Lines (OHPL) and any other over head hazards <input type="checkbox"/> fasteners tight <input type="checkbox"/> straps inspected and adjusted if necessary <input type="checkbox"/> linkage secure <input type="checkbox"/> sideways movement restricted <input type="checkbox"/> drawbar pin secured <input type="checkbox"/> seized, worn or damaged controls/components <input type="checkbox"/> electrical connectors <input type="checkbox"/> condition of wick <input type="checkbox"/> identification of lubrication points <input type="checkbox"/> visual inspection of lubrication points <input type="checkbox"/> visual inspection of levels Candidate to: <input type="checkbox"/> remove and clean using appropriate method <input type="checkbox"/> contain spillage <input type="checkbox"/> check for defects <input type="checkbox"/> refit To include: <input type="checkbox"/> suitable site selected <input type="checkbox"/> fill by usual on-site method, following approved procedures <input type="checkbox"/> clean water supply May include: <input type="checkbox"/> visual check of all nozzles/distribution system for even application to wick <input type="checkbox"/> replace defective nozzles/distribution system components <input type="checkbox"/> lids and seals <input type="checkbox"/> pipe work and connections <input type="checkbox"/> control valves <input type="checkbox"/> filters <input type="checkbox"/> pressure gauge <input type="checkbox"/> diaphragm check valves <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 114 5.2		Candidate to apply pesticide to treat a specified area appropriate to the candidate's normal work situation and sufficient to demonstrate safe and accurate application procedures	To include: <input type="checkbox"/> ensure wick is level or aligned to the target <input type="checkbox"/> correct wick height according to target <input type="checkbox"/> operate controls to start and finish applying accurately to the target <input type="checkbox"/> avoidance of over-saturating wick <input type="checkbox"/> avoidance of under-saturating wick <input type="checkbox"/> correct forward speed for site conditions <input type="checkbox"/> accurate matching of bouts/use of driving aids <input type="checkbox"/> coping with obstacles <input type="checkbox"/> all of specified area treated, minimising overlaps and misses Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	To include: <input type="checkbox"/> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product label and/or COSHH Assessment) <input type="checkbox"/> prevention of public/bystander contamination <input type="checkbox"/> safe filling procedure <input type="checkbox"/> avoidance of drips from wick <input type="checkbox"/> avoidance of off target application <input type="checkbox"/> avoidance of over dosing/under dosing crop/target Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 5.4	Complete a treatment record	Candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Completion of the treatment record must be: <input type="checkbox"/> accurate <input type="checkbox"/> legible (if handwritten) Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 6.1		Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers and packaging Candidate to explain two methods of dealing with surplus dilute pesticide	May include: <input type="checkbox"/> return to temporary mobile store <input type="checkbox"/> return to fixed store Containers: <input type="checkbox"/> triple rinsed <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> returned to supplier <input type="checkbox"/> collected by a licensed waste disposal contractor Packaging: <input type="checkbox"/> thoroughly emptied <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> collected by a licensed waste disposal contractor May include: <input type="checkbox"/> back on to site as long as it is below the maximum dose rate <input type="checkbox"/> use on another approved crop/target <input type="checkbox"/> treated by specialist treatment facility on site (e.g. a lined bio bed) <input type="checkbox"/> collected by a licensed waste disposal contractor Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 114 6.2	Explain how to clean and decontaminate the applicator and, if applicable, the prime mover	Candidate to explain four factors that need to be considered when cleaning and decontaminating the applicator and, if applicable, the prime mover	May include: <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> appropriate site <input type="checkbox"/> thorough washing with water and suitable additive if required <input type="checkbox"/> internal and external surfaces <input type="checkbox"/> cleaning of the wick <input type="checkbox"/> thorough flushing of systems <input type="checkbox"/> safe disposal of contaminated washings <input type="checkbox"/> when cleaning should take place <input type="checkbox"/> safe procedures followed Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 114 6.3	Describe the storage requirements for the applicator	Candidate to describe three factors to consider prior to storing the applicator	May include: <ul style="list-style-type: none"> <input type="checkbox"/> ensure the applicator is clean and dry <input type="checkbox"/> inspect for wear and damage <input type="checkbox"/> replace any worn or damaged parts <input type="checkbox"/> controls left in appropriate positions <input type="checkbox"/> frost protection measures implemented <input type="checkbox"/> lubricate as required <input type="checkbox"/> store undercover and out of direct sunlight <input type="checkbox"/> store in a secure area <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 115 - Operating Vehicle Mounted Kerb Sprayers Fitted with Hydraulic Nozzles/Rotary Atomisers (PA2AR)

Candidate A	Name:	Date:	Start Time:	Duration:
Candidate B	Name:	Date:	Start Time:	Duration:
Candidate C	Name:	Date:	Start Time:	Duration:
Candidate D	Name:	Date:	Start Time:	Duration:

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 115 1.1	Describe the legal requirements relating to applying pesticides using vehicle mounted kerb sprayers	Candidate to describe two operator's obligations in terms of legal requirements	<p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> all required guards are in place and equipment complies with legal requirements <input type="checkbox"/> comply with all relevant road traffic regulations when operating or transporting on the public highway <input type="checkbox"/> comply with The Plant Protection Products (Sustainable Use) Regulations 2012 <input type="checkbox"/> the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 1.2	Describe how to apply pesticides safely using vehicle mounted kerb sprayers following industry best practice	<p>Candidate to describe one operator safety regulation in terms of using vehicle mounted kerb sprayers</p> <p>Candidate to describe two precautions the operator may take to protect self from pesticide contamination when operating the prime mover</p> <p>When preparing the prime mover and sprayer, the candidate is to describe three checks which the operator may carry out to protect self from physical danger during operation</p> <p>Candidate to state four aspects of safe practice to be considered when driving on uneven/sloping terrain</p> <p>Candidate to state one consideration for safe driving on a public highway</p>	<p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> comply with Pesticides Codes of Practice <input type="checkbox"/> adopt industry best practice particular in respect of non-porous surfaces and risk of contamination of surface and ground water <input type="checkbox"/> be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements <p>Cabbed:</p> <ul style="list-style-type: none"> <input type="checkbox"/> fit carbon filter <input type="checkbox"/> use of in-cab controls <input type="checkbox"/> ensure ventilation system is functional <input type="checkbox"/> close all windows <input type="checkbox"/> contaminated PPE stored in external locker <input type="checkbox"/> awareness of the siting of pressurised components within confines of the cab <p>Open cab/canopy/platform:</p> <ul style="list-style-type: none"> <input type="checkbox"/> use of appropriate PPE <input type="checkbox"/> awareness of the siting of pressurised components within confines of the cab/canopy/platform <p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> compatibility of prime mover and sprayer <input type="checkbox"/> wheel track width <input type="checkbox"/> correct tyre pressures <input type="checkbox"/> condition of tyres <input type="checkbox"/> brake function <p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> assess conditions <input type="checkbox"/> appropriate speed <input type="checkbox"/> correct gear selection <input type="checkbox"/> effect of changing load on stability <input type="checkbox"/> correct turning procedure <input type="checkbox"/> keep centre of gravity as low as possible <p>May include:</p> <ul style="list-style-type: none"> <input type="checkbox"/> travelling at high speed makes vehicle unstable <input type="checkbox"/> slow moving vehicle protocols <p style="text-align: right;">Met <input type="checkbox"/> Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 115 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	May include: <ul style="list-style-type: none"> <input type="checkbox"/> hard surface run-off <input type="checkbox"/> drains <input type="checkbox"/> water courses <input type="checkbox"/> environmental areas <input type="checkbox"/> wildlife <input type="checkbox"/> non-target plants <input type="checkbox"/> sensitive crops/areas <input type="checkbox"/> hedgerows <input type="checkbox"/> housing <input type="checkbox"/> public access <input type="checkbox"/> other risks particular to the site <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 2.2	Explain how to minimise risks to the environment	Candidate to explain how to minimise the risks identified in 2.1 Candidate to state the reason for minimising spray drift or off target application Candidate to check and comment on wind speed and direction Candidate to state five factors that affect spray drift	Explanation to include the following points: <ul style="list-style-type: none"> <input type="checkbox"/> check and maintain application rate <input type="checkbox"/> avoid run-off <input type="checkbox"/> avoid spray drift <input type="checkbox"/> observe buffer zones <input type="checkbox"/> inform neighbours <input type="checkbox"/> appropriate warning signs <input type="checkbox"/> use an appropriate pesticide (minimal environmental impact) <input type="checkbox"/> careful timing of application <input type="checkbox"/> avoidance of contamination to people and the environment <input type="checkbox"/> use of anemometer at suitable heights or visual signs <input type="checkbox"/> wind direction May include: <ul style="list-style-type: none"> <input type="checkbox"/> weather conditions <input type="checkbox"/> direction of spraying <input type="checkbox"/> nozzle type and size <input type="checkbox"/> pressure <input type="checkbox"/> forward speed <input type="checkbox"/> nozzle height <input type="checkbox"/> rotary atomiser speed <input type="checkbox"/> defective equipment <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 3.1 3.2 Continued	Read product information Interpret product information	The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label. The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment	The following to be provided: <ul style="list-style-type: none"> <input type="checkbox"/> product name <input type="checkbox"/> active substance(s) (ingredient(s)) Important information: <ul style="list-style-type: none"> <input type="checkbox"/> field of use <input type="checkbox"/> target <input type="checkbox"/> maximum individual dose <input type="checkbox"/> maximum total dose <input type="checkbox"/> maximum number of treatments <input type="checkbox"/> specific product precautions/warnings <input type="checkbox"/> operator protection <input type="checkbox"/> environmental protection <input type="checkbox"/> restrictions on use Target specific information: <ul style="list-style-type: none"> <input type="checkbox"/> target <input type="checkbox"/> dose rate <input type="checkbox"/> water volume <input type="checkbox"/> timing 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 115 3.1 3.2			mixing and spraying: <input type="checkbox"/> filling <input type="checkbox"/> recommended nozzles <input type="checkbox"/> recommended pressure <input type="checkbox"/> spray quality <input type="checkbox"/> additional label information Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 4.1	Identify applicator components and controls	Candidate to identify all components and controls relating to the applicator being used for the assessment Identify and explain the use of one type of nozzle, which could be that intended for use (not applicable to Rotary Atomiser sprayers)	May include: <input type="checkbox"/> main spray tank <input type="checkbox"/> pump <input type="checkbox"/> filling control and devices <input type="checkbox"/> agitation control <input type="checkbox"/> pressure adjustment control <input type="checkbox"/> pressure gauge <input type="checkbox"/> on/off control <input type="checkbox"/> boom isolators <input type="checkbox"/> filters <input type="checkbox"/> tank wash system <input type="checkbox"/> clean water tank <input type="checkbox"/> nozzles/atomisers/spray heads <input type="checkbox"/> diaphragm check valves <input type="checkbox"/> tank drain <input type="checkbox"/> other components/controls specific to the applicator May include: <input type="checkbox"/> Flat fan – fine/medium/coarse spray <input type="checkbox"/> Air inclusion – medium/coarse spray, low drift Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 4.2	Carry out pre-use checks to the prime mover	Candidate to carry out all pre-use checks relevant to the prime mover being used for the assessment	May include: <input type="checkbox"/> visual inspection of the wheels and tyres <input type="checkbox"/> tyre pressures <input type="checkbox"/> fuel level adequate/motive batteries charged <input type="checkbox"/> oil level(s) within acceptable limits <input type="checkbox"/> coolant level is adequate <input type="checkbox"/> engine air filter is clean Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 4.3	Carry out pre-use and operational checks to the sprayer/applicator	Candidate to carry out all pre-use and operational checks to the sprayer/applicator Check security of attachment of applicator mechanisms Check for mechanical defects Check that the applicator is lubricated correctly Check spray head attachment and break-back devices Remove, clean and refit a filter	May include all/some of the following as applicable to the sprayer/applicator: <input type="checkbox"/> fasteners tight <input type="checkbox"/> straps inspected and adjusted if necessary <input type="checkbox"/> seized, worn or damaged controls/components <input type="checkbox"/> atomiser drives and electrical connectors <input type="checkbox"/> identification of lubrication points <input type="checkbox"/> visual inspection of lubrication points <input type="checkbox"/> visual inspection of levels <input type="checkbox"/> height adjustment <input type="checkbox"/> break-back efficiency Candidate to: <input type="checkbox"/> remove and clean using appropriate method <input type="checkbox"/> contain spillage <input type="checkbox"/> check for defects <input type="checkbox"/> refit	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 115 4.3		<p>Remove, clean/replace and refit a nozzle/restrictor/spray head</p> <p>Explain how to use the control panel to ensure that the applicator is functioning correctly (if applicable)</p> <p>Part fill applicator or attach pesticide container</p> <p>Check applicator for leaks and correct spray patterns</p> <p>State one suitable action in the event of the control panel failing (if applicable)</p>	<p>Candidate to:</p> <ul style="list-style-type: none"> <input type="checkbox"/> remove and clean using appropriate method <input type="checkbox"/> contain spillage <input type="checkbox"/> check for defects <input type="checkbox"/> replace if worn/damaged <input type="checkbox"/> refit <input type="checkbox"/> functions of control panel <input type="checkbox"/> recognition of malfunctions before and during operation <input type="checkbox"/> switch to manual/test mode where applicable <input type="checkbox"/> suitable site selected <input type="checkbox"/> fill by usual on-site method, following approved procedures <input type="checkbox"/> clean water supply <input type="checkbox"/> or <input type="checkbox"/> attach pesticide container <input type="checkbox"/> use higher than normal operating pressure <input type="checkbox"/> visual check of all nozzles/atomisers/spray heads for correct spray patterns, absence of blockages, streaking and pulsing <input type="checkbox"/> replace defective nozzles/atomisers/spray heads <input type="checkbox"/> lids and seals <input type="checkbox"/> pipe work and connections <input type="checkbox"/> control valves <input type="checkbox"/> filters <input type="checkbox"/> pressure gauge <input type="checkbox"/> diaphragm check valves <input type="checkbox"/> stop pesticide application <input type="checkbox"/> manual operation of controls if possible <p style="text-align: right;">Met <input type="checkbox"/> Not Met X <input type="checkbox"/></p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 4.4	Calibrate the sprayer and record relevant data	<p>Candidate is required to calibrate the applicator and record relevant data</p> <p>Select and record forward speed</p> <p>Calculate required output/volume rate</p> <p>Select appropriate nozzle/atomiser/spray head using manufacturers literature (if available)</p> <p>Set operating pressure/disc speed</p> <p>Check nozzle/atomiser/spray head outputs</p>	<p>Calibration may include the following:</p> <ul style="list-style-type: none"> <input type="checkbox"/> suitable forward speed for target and ground conditions <input type="checkbox"/> appropriate gear selected and engine speed established (if applicable) <input type="checkbox"/> accurate measurement of distance <input type="checkbox"/> accurate measurement of time taken to cover distance <input type="checkbox"/> correct use of formula to establish forward speed <input type="checkbox"/> correct use of formula <input type="checkbox"/> use of manufacturers operators handbook <input type="checkbox"/> use of nozzle/atomiser/spray head manufacturers literature <input type="checkbox"/> confirm requirements of product label <input type="checkbox"/> pressure as determined by nozzle chart <input type="checkbox"/> disc speed as determined by manufacturers literature <input type="checkbox"/> pressurise/purge appropriate to the system <input type="checkbox"/> use a measuring jug to check nozzle/atomiser/spray head output <input type="checkbox"/> compare with target output <input type="checkbox"/> vary pressure/flow rate to make small adjustments <input type="checkbox"/> change nozzles/atomisers/spray heads if required <input type="checkbox"/> Or any other acceptable method 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued							

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 115 4.4		State four pieces of calibration data that should be recorded	May include: <input type="checkbox"/> registration number of vehicle <input type="checkbox"/> tyre size and pressure <input type="checkbox"/> gear selected <input type="checkbox"/> engine speed <input type="checkbox"/> vehicle forward speed <input type="checkbox"/> application volume <input type="checkbox"/> nozzle/atomiser/spray head fitted <input type="checkbox"/> pressure/disc speed <input type="checkbox"/> flow rate Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 5 4.5	Calculate the quantities of pesticide and water required, if applicable	Candidate to calculate quantities required for both a specified area and full tank	To include: <input type="checkbox"/> amount of water required for specified area <input type="checkbox"/> amount of pesticide required for specified area <input type="checkbox"/> amount of pesticide required for full tank Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 5.1	Measure the required quantities and add to the sprayer or attach pesticide container	Either: Candidate to measure and add quantities required for the area specified in 4.5 Note: This may be a simulated pesticide product Or: Candidate to attach pesticide container to applicator	To include: <input type="checkbox"/> correct selection and use of PPE (as required by the product label and/or COSHH Assessment) <input type="checkbox"/> suitable site selected <input type="checkbox"/> fill by usual on-site method, following approved procedures <input type="checkbox"/> clean water supply <input type="checkbox"/> accurate measurement of water <input type="checkbox"/> accurate measurement of pesticide <input type="checkbox"/> correct filling procedure <input type="checkbox"/> avoidance of spillage <input type="checkbox"/> observance of pesticide manufacturers instructions for mixing and agitation To include: <input type="checkbox"/> correct selection and use of PPE (as required by the product label and/or COSHH Assessment) <input type="checkbox"/> suitable site selected <input type="checkbox"/> container undamaged <input type="checkbox"/> correct procedure for attaching container <input type="checkbox"/> avoidance of spillage <input type="checkbox"/> check for leakage Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 5.2	Demonstrate safe and accurate application procedures	Candidate to explain the appropriate procedure to follow when the applicator needs refilling part way through an application Candidate to explain the appropriate procedure to follow when a nozzle/restrictor/spray head becomes blocked during an application Candidate to apply pesticide to treat a specified area appropriate the candidates normal work situation and sufficient to demonstrate safe and accurate application procedures	Explanation to include: <input type="checkbox"/> avoid contact with contaminated area <input type="checkbox"/> mark the spot at which the applicator emptied <input type="checkbox"/> refill applicator <input type="checkbox"/> continue spraying by accurately matching at the appropriate point Explanation to include: <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> care not to walk on contaminated area <input type="checkbox"/> clean or replace nozzle/restrictor/spray head as appropriate To include: <input type="checkbox"/> ensure spray head is aligned to the target <input type="checkbox"/> correct spray head height to achieve compliance with hard-surface recommendations <input type="checkbox"/> operate controls to apply accurately <input type="checkbox"/> correct forward speed and pressure for site conditions <input type="checkbox"/> coping with obstacles <input type="checkbox"/> all of specified area treated <input type="checkbox"/> awareness of changes in wind speed and direction Met <input type="checkbox"/> Not Met X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 115 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	To include: <input type="checkbox"/> prevention of public / bystander contamination <input type="checkbox"/> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product label and/or COSHH Assessment) <input type="checkbox"/> safe filling procedure <input type="checkbox"/> avoidance of spray drift <input type="checkbox"/> avoidance of off target application <input type="checkbox"/> avoidance of over dosing/under dosing target Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 5.4	Complete a treatment record	Candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Completion of the treatment record must be: <input type="checkbox"/> accurate <input type="checkbox"/> legible (if handwritten) Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 6.1	Explain how to manage surplus pesticide and dispose of waste material	Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers and packaging Candidate to explain two methods of dealing with surplus dilute pesticide	May include: <input type="checkbox"/> return to temporary mobile store <input type="checkbox"/> return to fixed store Containers: <input type="checkbox"/> triple rinsed <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> returned to supplier <input type="checkbox"/> collected by a licensed waste disposal contractor Packaging: <input type="checkbox"/> thoroughly emptied <input type="checkbox"/> placed in secure storage until disposal <input type="checkbox"/> collected by a licensed waste disposal contractor May include: <input type="checkbox"/> back on to site as long as it is below the maximum dose rate <input type="checkbox"/> use on another approved target <input type="checkbox"/> treated by specialist treatment facility on site (e.g. a lined bio bed) <input type="checkbox"/> collected by a licensed waste disposal contractor Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 6.2	Explain how to clean and decontaminate the sprayer and, if applicable, the prime mover	Candidate to explain four factors that need to be considered when cleaning and decontaminating the sprayer and, if applicable, the prime mover	May include: <input type="checkbox"/> select and use appropriate PPE <input type="checkbox"/> appropriate site <input type="checkbox"/> thorough washing with water and suitable additive if required <input type="checkbox"/> internal and external surfaces <input type="checkbox"/> use of in-built wash systems if provided <input type="checkbox"/> thorough flushing of systems <input type="checkbox"/> safe disposal of contaminated washings <input type="checkbox"/> when cleaning should take place <input type="checkbox"/> safe procedures followed Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 115 6.3	Describe the storage requirements for the applicator	Candidate to describe three factors to consider prior to storing the applicator	May include: <input type="checkbox"/> ensure the applicator is clean and dry <input type="checkbox"/> inspect for wear and damage <input type="checkbox"/> replace any worn or damaged parts <input type="checkbox"/> controls left in appropriate positions <input type="checkbox"/> frost protection measures implemented <input type="checkbox"/> lubricate as required <input type="checkbox"/> store undercover and out of direct sunlight <input type="checkbox"/> store in a secure area Met <input type="checkbox"/> Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Summary of Assessment (The Assessor is to complete the following as appropriate)

Candidate A	Candidate has met all of the assessment criteria	Tick <input type="checkbox"/> <input type="checkbox"/>	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick <input type="checkbox"/> <input type="checkbox"/>
	Signed:		Date:	

Candidate B	Candidate has met all of the assessment criteria	Tick <input type="checkbox"/> <input type="checkbox"/>	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick <input type="checkbox"/> <input type="checkbox"/>
	Signed:		Date:	

Candidate C	Candidate has met all of the assessment criteria	Tick <input type="checkbox"/> <input type="checkbox"/>	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick <input type="checkbox"/> <input type="checkbox"/>
	Signed:		Date:	

Candidate D	Candidate has met all of the assessment criteria	Tick <input type="checkbox"/> <input type="checkbox"/>	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick <input type="checkbox"/> <input type="checkbox"/>
	Signed:		Date:	

For use by Internal Verifier ONLY if the assessment process was internally verified
(Internal Verifier to complete **ONE** of the boxes below)

I observed an assessment process taking place and I am satisfied that the assessment was conducted in line with the qualification requirements.	Tick <input type="checkbox"/> <input type="checkbox"/>
I observed an assessment process taking place. The following were noted as areas of concern.	Tick <input type="checkbox"/> <input type="checkbox"/>
Signed: _____ Date: _____	