## Plumbing work log exemplar

lan Hall 9189

### LO 1-5 (example Documents)

Click on each LO to be taken to the section you require to view or just work through the full slide deck covering Learning Outcomes 1-5 along with some example documentation after all 5 Learning Outcomes.

<u>LO1</u>

**LO2** 

**LO3** 

<u>LO4</u>

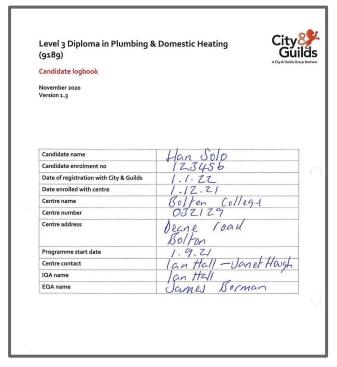
LO5

Examples of evidence

## Centre and personal detail

#### **Center and personal details section**

#### Example



#### Example

	Level 3 Diploma in Plumbing & Domestic Heating (9189)
	Personal Details
	Candidate Details Surname: (\$\( \text{O} \) \( \text{P} \) Forename(s): \( \text{H} \) \( \text{A} \)
	Address: Millenism Falcon Way
	Tattopine
	County Magnhah Postcode:
	Home Tel: 0120471212 City & Guilds ABC1234
	Awarding Details
	Programme Dlumbing of Heating technician
	C&G Scheme/Complex 9 1 8 9 - 0 5 Level:
0	Centre Details
	Name: Bolton Collegel Centre No: 032129
	Address: Deane Toad
	Bolton
	County Lan CS Postcode: BL35B9
	Telephone: 01004 48000 Centre Contact: Janet Hough
	Examinations Officer: Jone Hough Internal Verifier: La Brian Morris
	External Verifier: James Borman Assessors: Lantal
	Employer Details
	Name: Jabba Work Based Chlull
	Address: Hutto Palace
0	Tattooine
	County Dagobah Postcode: BLZZBG
	Telephone: 01704 2772 Contact Name: Jabba
	Managing Agent
	Name: Bolton Calley Training Advisor: Rache Forrington
	Address:
	County Postcode:
	Telephone:

#### **Center and personal details section**

#### Example

	ok is authentic and a true representation of my own work. T
vork logged is my own work carried out during my ny assessor on several occasions.	normal work duties. I have been observed in my workplace
Candidate Name	Han Solo
Candidate Signature	Han Solo
Date	1.1.22
Date	1.1.22
Internal Quality Assurer (IQA) Name	lan Hall
Internal Quality Assurer (IQA) Signature	1
Date	1.1.22
External Quality Assurer (EQA) Name	James Borman
External Quality Assurer (EQA) Signature	
Date	

#### Example

Competent witness to read below statement and sign below.					
	line with the industry requirements for worl				
acknowledge that I will only counter-sig	n documentation requested by the candidat ork and on the understanding that the work	te where to my knowledge			
commercially acceptable standard.	and an are once standing that the more	mas been carried out to a			
Name (print)	Sample signature /	Date			
		1.1.22			
Loke Skywalker Lando Calrissian	hall	1.1.27			
Candidate to keep a record of relevan assessors and competent witnesses y	t contact details in the space provided bel	ow this could be for			
Name	Details				

Assessor to complete

)			assessor during each direct observation and when t on at least one occasion unless otherwise stated	Evidence
	LO 1 Apply health and safety and welfare in the workplace.	DO number	Response	RA
	1.1 Use personal protective equipment			
	1.2 Ensure appropriate pr	ovision for first	aid is in place	
	first-aid kit			
	accident book			
	nominated person			
1	1.2 Ensure appropriate pr	ovision for fire s	afety is in place	
Ī	fire extinguisher			
)				
	evacuation procedure			
	muster points			
	1.3 Comply with information, warning, mandatory instruction and			

prohibition notice	,	
1.4 Perform manual handling techniques		
1.5 Ensure appropriate facilities are in place for welfare and personal hygiene		
1.6 Transport and store tools and equipment appropriately		
1.7 Verify appropriate acces	ss and exit routes to and from the work location (3 of the following)	
adequate lighting		
routes free from obstruction		
follow safety signs and notices		
emergency exit routes in place		
appropriate		
barriers		-

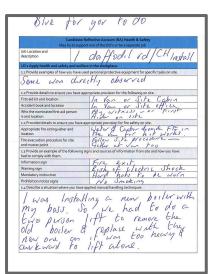
1.10 Dispose of waste materials	*	In a Skip- if not
	*	We have debris men who Collect from orbital the property.
1.11 Demonstrate safe working practices when joining pipework	*	I use a heat proof mate when carrying out hot works, well appropriate APE  FE 10 available Foo
1.12 Produce a risk assessment / method statement in accordance with organisational procedures	*	Sel attached Supplements eviden u(A) - RA from Company for Invitating CH System.
1.13 Use access equipm	nent in the wo	rkplace (2 of the following)
ladder		
tower scaffold	1	when replacing the new gottering system at a property sile -15 supplementage evidence (8)
stepladder	2	DO by assessor When Installing
platform (MEWP).		

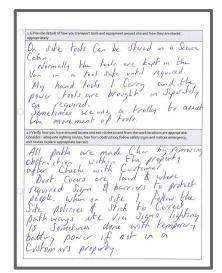
#### LO1 detail that will appear

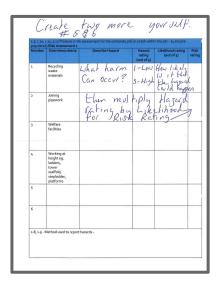
In the previous slide it featured GREEN content, this is for the Assessor to complete. It is here where they will record your progress of this Learning Outcome.

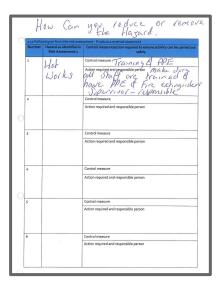
It may have DO1, DO2 or RA1, RA2 (meaning they were seen when the candidate was directly observed or the candidate created a reflective account to evidence how they achieved the criteria with a signature from their expert witness from page 11 of the work log).

#### Candidate to complete







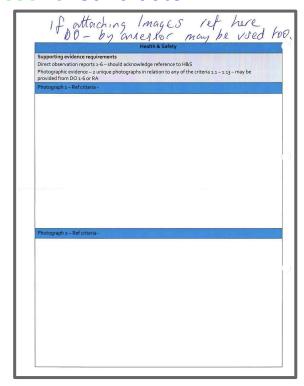


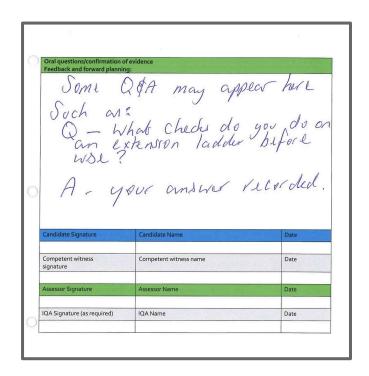
#### LO1 detail that will appear

In the previous slide it featured **BLUE** content, this is for the Candidate to complete. It is here you will record your progress of this Learning Outcome.

You will have completed some tasks and record them with RA1, RA2 (meaning the candidate created a reflective account to evidence how they achieved the criteria with a signature from their expert witness from page 11 of the work log).

#### Assessor & Candidate





#### LO1 detail that will appear

In the previous slide it featured **BLUE** and **GREEN** content, this is for the Candidate and the Assessor to complete. It is here you will record your progress of this Learning Outcome along with any supplementary evidence and the assessor will ask any questions and record the answers relating to the Learning Outcome and offer some feedback and forward planning.

#### **GREEN** for Assessor to complete

LO 2 Prepare for the installation of plumbing and	Reference	you achreve * Green=Ass				
heating systems and components.		DO (If met during Obs 10r2)	RA			
2.1 Check that all necessary job information is available	Prep 1 PD					
2.2 Liaise with other persons to confirm the detail of the installation work to be carried out	Prep 1 PD					
2.3 Comply with health and safety requirements (min	2 of the followin	g)				
risk assessment	Prep 1 PD					
method statements	Prep 1 PD					
work permits	Prep 1 PD					
2.4 Carry out preparatory work (all of the following)						
safe and unobstructed access to work areas	Prep 2 a RA					
safe storage of materials tools and equipment	Prep 2 b RA					
reporting pre-existing damage	Prep 2 c RA					
protecting the building fabric	Prep 2 d RA					
drilling masonry walls or concrete floors	Prep 2 e RA					
cutting/drilling holes in timber floor joists	Prep 2 f RA					
cutting notches in timber floor joists	Prep 2 g RA					
cutting chases in wall or floor	Prep 2 h RA					
2.5 Comply with organisational procedures for completing documentation that is required during work operations (3 of the following)						
variation order	Prep 1 PD					
imesheets	Prep 1 PD					
work programme	Prep 1 PD					
naterial or plant requisitions	Prep 1 PD					
delivery note	Prep 1					

activities from	
Candidate briefed on assessment criteria for the professional discussion	Yes / No
Job Location and description	
LO 2 Prepare for the installation of plumbing an	d heating systems and components.
2.1 State how you checked that all necessary job information was available before you commence the job. What was this information and how was it used?	
2.2 Provide details of how you liaised with the customer or representative to confirm the details of the work planned with them.	
2.3 Outline how you complied with the following documents and procedures whilst working in industry? Risk assessment, Method statement, Work permit	
2.5 Explain how you followed organisational procedures for completing documentation that is required during work operations (min 3 of the following)	
a) Use of Variation orders or variation to initial site plans b) Timesheets or how you record time spent on various sites c) Work programmes or scheduling of various tasks on site d) Ordering of materials and	
specific plant required e) Delivery notes and taking delivery of materials	

On the previous slide you will have noticed it is again a GREEN checklist for the assessor to record how you completed the required criteria from Learning Outcome 2.

It may have DO1, DO2 or RA1, RA2 (meaning they were seen when the candidate was directly observed or the candidate created a reflective account to evidence how they achieved the criteria with a signature from their expert witness from page 11 of the work log).

**BLUE** for Candidate to complete

	Supporting evidence requirements, A minimum of one piece of supporting evidence such as site documentation or photograph should be included for the below criteria
	Criteria circle as appropriate (2.1, 2.2, 2.3 or 2.5)
	This area requires gos to Offer Some Supplementary Evidence that reflects
	LOZ - Covering prep Work Such as
	2.1 - A drawing of Job 2.2 - Pic of you & Custoner
	2.3 - A risk assessment
0	2.5 - A document Such an a timesheut, Variation order etc

thin	Descr 195 livre	be here d below -,	how Irak to	yor did evidence	t-he
rry out	Ref	Candidate description m	eeting each criteria ider	ntifying task and job location	

2.4 Carry out	Ref	Candidate description	n meeting each criteria identifying	task and job location
preparatory work		Job location	Task Description	Date
Safe and unobstructed access to work areas	Prep 2a	I da fodil i	d CH Install charite hos gov kept Co	1.1.22
Safe storage of materials tools and equipment	Prep 2b			
Reporting pre- existing damage	Prep 2c			
Protecting the building fabric	Prep 2d			

Drilling masonry walls or concrete floors	Prep ze		
Cutting/drilling holes in timber floor joists	Prep 2f		
Cutting notches in timber floor joists	Prep 2g		
Cutting chases in wall or floor surfaces	Prep 2h		

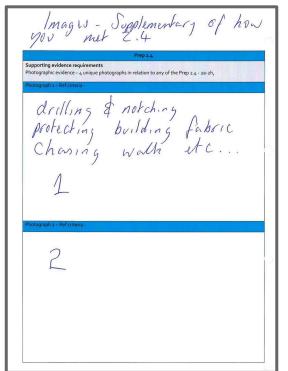
9189-002 Level 3 Diploma in Plumbing and Domestic Heating (Candidate logbook)

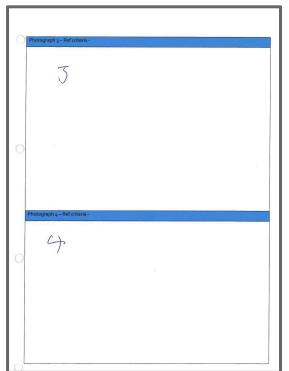
In the previous slide it featured **BLUE** content, this is for the Candidate to complete. It is here you will record your progress of this Learning Outcome.

You will have completed some tasks and record them with RA1, RA2 (meaning the candidate created a reflective account to evidence how they achieved the criteria with a signature from their expert witness from page 11 of the work log).

In addition to the above for this outcome, you are required to evidence the **Address, Job and Date** of how you met the preparatory work for this learning outcome on the grid/table provided.

#### **GREEN** for Assessor and **BLUE** for the Candidate



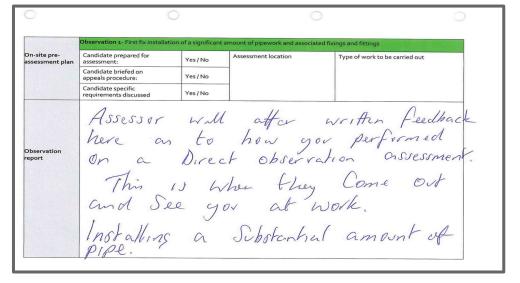




Assessor observation report 1

for Installation of pipework

(substantial amount of pipework)



Example, installing a radiator in a hallway that was not there before. Lift floorboards to access pipework, access clear working pathways, drill fixings and clips install radiator and all pipework to radiator.

This example is a good example of the first fix for substantial pipework and will allow you to achieve a range of criteria from LO1 and LO2 simultaneously.

#### **GREEN Assessor**

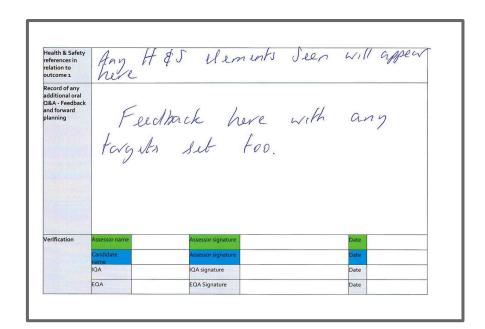
Reverse of observation

report from previous

slide.

Featuring H&S criteria

met and feedback with forward planning.



Assessor tracking document Used to monitor progress on the Learning Outcome, ticked off as and when candidate is observed or alternative evidence is supplied such as a reflective account.

ossessor # Siver	ere c	ra	crip	Cri	a.
Tracker - Assessor to initial when criteria unl	is met – each crit ess otherwise sta		on at lea	st one oc	casion
LO 3 Install plumbing and heating systems and components in the workplace	Direct Obs 3	Direct Obs 4	RA1	RA2	RA
3.1 Confirm that the incoming or outgoing main supplies meet the requirements of the system or component					
3.2 Plan the installation and pipe work routes using relevant job information.					
3.3 Complete installation work on plumbing sy water systems and then one of the remaining		s must be assesse	d on cold	and hot	
cold water systems					
hot water systems					
central heating systems					
sanitation systems					
gravity rainwater systems					
Position and fix pipework (3 of the following)			22.7 %		
copper					T
plastic pressure pipe					
steel (screwed or pressed)					
stainless steel					
plastic (drainage)					П
rainwater					
3.4 Position and fix components (candidates n at least three on more than one occasion and			from Gre	oup A with	,
Group A					
bath					
WC					
wash hand basin					
sink					
shower and tray					
cylinder					
boiler (connections)					
soil stack system					
rainwater guttering system					
F&E/CWS Cistern					
pump					

Still Asse		Ch	LCK lov	rt
radiator				
water conditioner/filter				
Group B				
urinal				
bidet				
booster pump/shower pump				
accumulators/expansion vessels				
fan convector				
low loss header				
macerator or waste water lifter/pump				
greywater/rainwater station				
water softener/filter				
refrigerator cold connection				
washing machine/dishwasher				
underfloor heating circuit and underfloor manifold				
outside tap installation				
Backwater protection components (e.g. EA, EB, EC, ED)				
3.5 Connect pipework to system controls and main components				
Complete a range of jointing methods dur	ng pipework inst	allation (4 of the fe	ollowing)	
compression				
push fit plastic pressure				
push fit waste				
soft soldered				
crimped				
glues/adhesives				
fusion welded				
threaded/screwed				
3.7 Carry out a soundness test to ndustry requirements on systems pipework and components				

#### **Important Information**

The slide you have just seen has a **Group A** and a **Group B**, In order to fully meet all the criteria you must be seen installing 9 from **Group A** and 3 from **Group B**.

This can be achieved as seen on next slide

oup A				
h	*	*		
		*		
sh hand basin	×	*		
wer and tray				
nder				
er (connections)				X
stack system				
water guttering system			X	
E/CWS Cistern				
np				
torised valves				
-002 Level 3 Diploma in Plumbing a	and Domestic Heating (Co	andidate logbook)		36
*				
Still Ass	esso/ .	# Gre- Chick	e lost	
Still Ass	esso/ -	H Gre- Check	e Tout	

Two appliances from the bathroom must be DO and the third can be a RA after the assessor has left

Group B - example for your 3 from this group

Group B			
urinal			
bidet			
booster pump/shower pump			
accumulators/expansion vessels		1 30	
fan convector			
low loss header			
macerator or waste water lifter/pump			
greywater/rainwater station			
water softener/filter			
refrigerator cold connection			
washing machine/dishwasher	*		
underfloor heating circuit and underfloor manifold			
outside tap installation	*		
Backwater protection components (e.g. EA, EB, EC, ED)	*		

The image on the right is from LO3 and requires the candidate to be directly observed or complete reflective accounts when installing the components previously seen on the slide covering appliances, to be working on **Hot** and **Cold** systems and One other for example **Central Heating.** 

The columns that can be seen in the image are as follows;

1-DO number 1

2-DO number 2

3-RA number 1

4-RA number 2

5-RA number 3

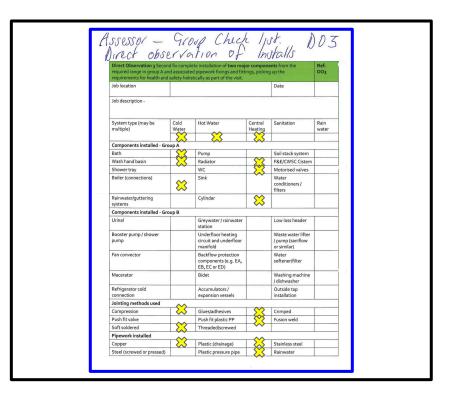
In addition 3 of the types of pipework must be used by the candidate too, when installing.

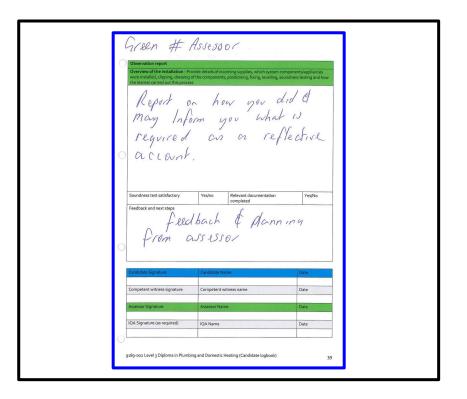
3.3 Complete installation work on pluml water systems and then <b>one</b> of the rem		s must be assessed of	1 cold and not
cold water systems	**	1111111	
hot water systems	**		
central heating systems		**	
sanitation systems			
gravity rainwater systems			
Position and fix pipework (3 of the follow	wing)		
copper			
plastic pressure pipe			
steel (screwed or pressed)			
stainless steel			
plastic (drainage)			

The image on the right, is another GREEN for the assessor checklist.

The assessor will tick off which system, appliance group, jointing methods and pipework used to make sure all criteria is covered.

As you can see with the crosses, a selection of appliances, 3 systems and a range of pipework and jointing methods were used on this observation example.





On the left is an Observation report from the assessor to the candidate.

This will feature what was seen, for example all of the yellow crosses on the previous slide will be mentioned. The assessor will describe how they came to their assessment decision in this report mentioning the installation techniques, safe working practices, testing and any preparatory work that was also witnessed during the observation. In addition the feedback and forward planning will be available at the bottom of the report too.

As previously mentioned, it maybe that the assessor has not seen you in the workplace complete all of the appliance groupings when they were on-site however, they must see you do at least 2.

If you continue installing when the assessor has left, then you can complete a RA, which outlines what you carried out when the assessor left.

This **MUST** be signed by your **EXPERT WITNESS** 

Slive is you to From DOJ as	advised by a	RH I ISVESSOL
Reflective Account 1 3.29 install plumbing and heating systems an 3.29 install plumbing and heating systems an Job lo location   Job description    Job description   Job description    Job description   Job description    Job description    Job description    Job description    Job description    Job description    Job description    Job description		が RAA   /・/、こて     Rain Water
Components installed – Group A		
Bath	WC	
Wash hand basin	Sink	
Shower/tray	Cylinder	
Boiler (connections)	Soil stack system	
Rain water/guttering	F&E/CWSC Cistern	
system		
Pump	Motorised valves	V
Radiator	Water conditioners/filters	
Components installed – Group B		
Urinal	Bidet	
Booster pump / shower pump	Accumulators / expansion vessels	
Fan convector	Low loss header	
Macerator	Waste water lifter / pump (saniflow or similar)	
Greywater/rainwater station	Water softener/filter	12
Refrigerator cold connection	Washing machine / dishwasher	
Underfloor heating circuit and underfloor manifold	Outside tap installation	
Backflow protection components (e.g. EA, EB, EC or ED)		
Jointing methods used		
Compression	Push fit plastic PP	
Push fit waste	Threaded/screwed	
Soft soldered	Crimped	
Glues/adhesives	Fusion weld	
	you did on th	) C

RA continued from previous slide

0	Pipework installed			
	copper	_	plastic pressure pipe	V
	steel (screwed or pressed)		stainless steel	
	plastic (drainage)	V	rainwater	
	Reflective Account			
	Confirm how incoming or supplies met requirements and components.	s of system UM	ched MI ?	of flow
0	Confirm what job informat used and how pipework ro planned and marked out.	outes were	drawings	
	Confirm how pipework wa clipped/bracketed	s Na Sku	of Clip	
			ich system components/appliances v levelled and how this process was co	
0	Ovtin made of the pro	is for	re how applicances, and how y to	400
,	Details of soundness test if applicable	cord her	re Pressure	tut

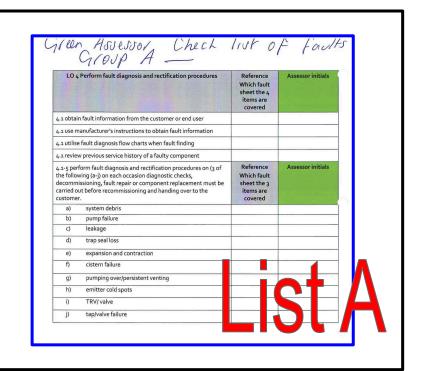
	A pickuses or docur.	nents to	
Evidence 1 SV, CACC	oplement the reformt.  - Invialling bo Connections	hotive Nev	
Evidence 2	Eg- Bunchmark		
C	Eg - Bunchmark Certificate S Ommissioning det	hovmy a.l	
Candidate Signature	Certificate Sommissioning det	hoviny a.l	
Candidate Signature	Candidate Name	Date	

Unlike the other Learning Outcomes, LO4 does not require an assessor to directly observe you. Due to the sporadic nature of the content of;

#### (Fault Finding & Rectification)

All of the content from **List A** and **List B** will be evidenced by the **Candidate** and their **Expert Witness** via a **Reflective Account.** 

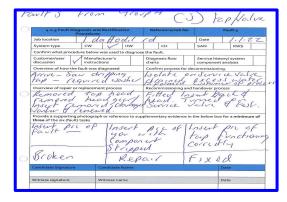
On the next slide expectations for the learning outcome will be explained.



Images are required for at least 3 of the 6 faults from LO4. Faults 1-3 are to come from List A and faults 4-6 are to come from List B.

On the left is a list of components, it is from here where faults 1, 2 and 3 will come from.

You will identify the fault and rectify the issue and record how you went about the task on a RA fault and rectification sheet.

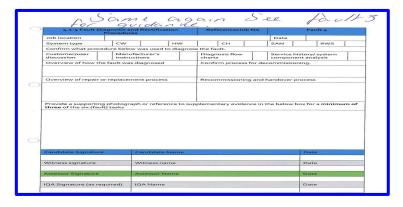


LO 4 Per	form fault diagnosis and rectification procedures	Reference Which fault sheet the 4 items are covered	Assessor initials
4.1 obtai	n fault information from the customer or end user		
4.1 use m	nanufacturer's instructions to obtain fault information		
4.1 utilise	fault diagnosis flow charts when fault finding		
4.1 revie	w previous service history of a faulty component		
following fault repo	form fault diagnosis and rectification procedures on (3 of the g (a-m) on each occasion diagnostic checks, decommissioning, air or component replacement must be carried out before sisloning and handling over to the customer.	Reference Which fault sheet the 3 items are covered	Assessor initials
a)	accumulator expansion vessel failure		
b)	motorised valves not operating		
c)	heat exchanger failure		
d)	expansion valve		
e)	WC macerators/waste water lifter		
f)	sink waste disposal units		
g)	control failure		
h)	pressure relief valve		
i)	thermostat		
i)	programmer		
k)	air admittance valves		
1)	condensing boiler condensate	$\vdash$	
m)	component failure		

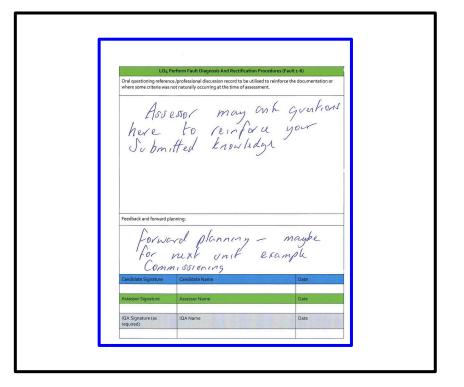
Images are required for at least 3 of the 6 faults from LO4. Faults 1-3 are to come from List A and faults 4-6 are to come from List B.

On the left is a list of components, it is from here where faults 4, 5 and 6 will come from.

You will identify the fault and rectify the issue and record how you went about the task on a RA fault and rectification sheet.



The assessor will check all of your faults from list A and B. They will verify if the fault diagnosis and rectification is suitable and the supporting evidence is there for the tasks. They will also check that the expert witness has signed and dated the work from the candidate before signing the tasks and the unit off and offering feedback, via the oral questioning paperwork that can be seen opposite.



Learning outcome 5 is all about commissioning of installations/supplies. The learning outcome requires the candidate to be observed twice carrying out the commissioning procedure on systems such as;

- Cold and Hot water systems
- Central heating systems
- Sanitation and drainage systems

Opposite can be seen the assessors checklist

LO 5 Commission plumbing and he workplace.	ating systems in the	Refer	rence	Assessor initials
5.1-5 Candidates must be assessed systems on two occasions:  hot and cold water systems:  central heating systems:  sanitation and drainage systems	5	Comm 1	Comm 2	
	Record system below	Refer	ence	Assessor initials
System type 1 commission 1		Comm 1		
System type 2 Commission 1		Comm 1		
System type 1 commission 2			Comm	
System type 2 commission 2			Comm	
5.1 Carry out a visual inspection of	the system	Comm 1	Comm 2	
5.2 Charge the system to normal o for leakage	perating pressure and check	Comm 1	Comm 2	
5.3 Perform a soundness test to inc	dustry requirements	Comm 1	Comm 2	
5.4 Flush the system with cold wat soundness testing	er on completion of	Comm 1	Comm 2	
5.5 Operate the system and take p to compare them to the design spe		Comm 1	Comm 2	
5.6 Adjust system controls to estab to its design specifications		Comm 1	Comm 2	
5.7 Prepare commissioning records	s for completed systems	Comm 1	Comm 2	
5.8 Instruct the customer in the eff of the system	icient and effective operation	Comm 1	Comm	

You are required to complete 2 forms from the 3 forms that are supplied within your work log. The third form is an observation sheet that is completed by the assessor.

**Form 1** is how you commissioned the **cold** & **hot** plumbing systems for example.

Form 2 is how you commissioned the **central** heating system for example.

You are expected to repeat this process on commission 2 as well as part of this learning outcome.

Form 1 - Remember form 1 is for 1 system and form 2 for the other system. Cold and Hot are classed as one system. This example has two ticks and should only have one.

may lo	or youto do- commissioning Sheet	your assessor
	lumbing and Heating Commissioning)  Reference Commission 1	Pre-Commission Document 1 Of 3 From Commission 1
	Cold and Central Heating	Date /./. Z T
	ally inspected and checked on installation completion	
All Join Staged Flushing	fill of fut follow System Cold -	/ /
Overview of how the sys	tem was soundness tested, charged/filled	Car O ha/o
Hot Fill	- Flach	or feet find fill
What checks were made as necessary.	for leakage and how were these rectified How was	the system flushed or cleansed
Visval (	hecks prefill bee	above and
Staged	fill & Viguel foll	on MI for missioning
o as "lac	h Stage Conflete Com	missioning Leduce
Candidate Signature	Candidate Name	Date
Witness signature	Witness name	Date
Assessor Signature	Assessor Name	Date

You are required to complete 2 forms from the 3 forms that are supplied within your work log. The third form is an observation sheet that is completed by the assessor.

**Form 1** is how you commissioned the **cold** & **hot** plumbing systems for example.

Form 2 is how you commissioned the **central** heating system for example.

You are expected to repeat this process on commission 2 as well as part of this learning outcome.

Form 1 - Remember form 1 is for 1 system and form 2 for the other system. Cold and Hot are classed as one system. This example has two ticks and should only have one.

	lumbing and Heating Commissioning)	Referen		Pre-Commi Document 2 O Commission	3 From
Job location			Date		
	Cold and Hot water	Central Heating		anitation and rainage	
Overview what was visu commenced	ally inspected and check	ed on installation co	npletion before j	lling or commiss	ioning
What checks were made necessary.	for leakage and how we	ere these rectified as	How was the as required	ystem flushed o	cleansed
	of for leakage and how we			ystem flushed o	cleansed
necessary.					cleansed
necessary.  Candidate Signature	Candidate Name			Date	cleansed
Candidate Signature Witness signature	Candidate Name Witness name Assessor Name			Date Date	cleansed

You are required to complete 2 forms from the 3 forms that are supplied within your work log. The third form is an observation sheet that is completed by the assessor.

**Form 1** is how you commissioned the **cold** & **hot** plumbing systems for example.

**Form 2** is how you commissioned the **central heating** system for example.

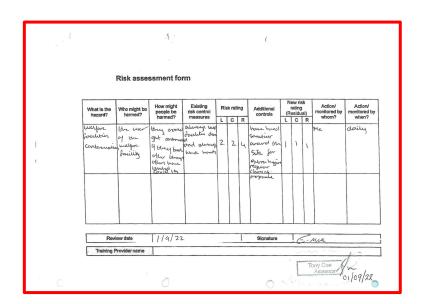
You are expected to repeat this process on commission 2 as well as part of this learning outcome.

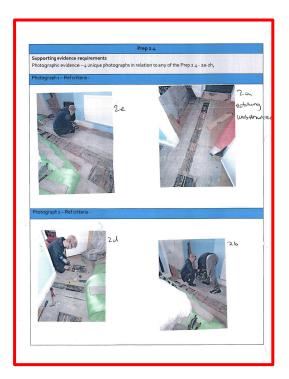
Form3 is completed by the assessor as this is the observation report. This will be done for both commissioning of systems for this learning outcome.

	ission Plumbing and Heating ns (Pre-Commissioning)	Reference	Do	Direct Observation cument 3 Of 3 From
Job location		Commission	Date	Commission 1
System type (Choose 2)	Cold and Hot water	Central Heatina	-	tation and
Overview of the commissioned	observation and more technical	detail around the 2 of t		
Obse Obse Details of how th	TE ON E	U PEC ESILFS red performance and o	of your of your peration checks	- Commis
Identify performa	ance readings eg. Flow rates Ten	0	dentify system adju orrect operation an ystem.	istments to ensure ad performance of
0				
Overview of wha represent custom	t would be explained to the cust er as required)		/hat documentatio as completed	n/commissioning record

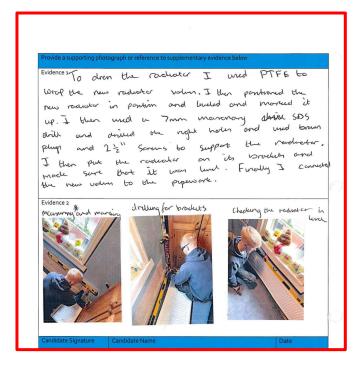
# Examples of evidence from LO's

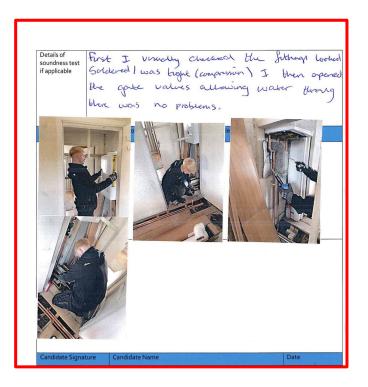






2.4 Carry out	Ref	Candidate description meeting each criteria identifying task and job location							
preparatory work		Job location	Task Description	Date					
Safe and unobstructed access to work areas	Prep 2a	Briefeye club borthern	thotall central thotany, made sure the floors was size who ever revite	25/4/22					
Safe storage of materials tools and equipment	Prep 2b	Botton wronge dust	install central Heating, took was Stered covery what required	25/4/22					
Reporting pre- existing damage	Prep 2C	Bolton bridge clubs	if I sow cany domage I would report to my supernar so t can get biarred	25/4/22					
Protecting the building fabric	Prep 2d	botton bridge club	motals central Heating, used a heat most when Soldering	25/4/22					





			(GROUPA)					
	gnosis and Rectification Procedures	Reference/job						
Job location	132 Wincles.	ler way 312	SAG Date 27/5/22					
System type	CW HW	СН	SAN RWS					
Confirm what procedure below was used to diagnose the fault. Fault trap Sea 1055								
Customer/user discussion	Manufacturer's instructions	Diagnosis flow charts	Service history/ system component analysis					
Overview of how the		Confirm process	for decommissioning.					
Foul Small Went Kitchen Sink - Bool workeast trap empty bodin from trap floke out trap  Overview of repair or replacement process  Recommissioning and handover process								
	photograph or reference to s	- Pill ip & - on many when - no small	SINK WITH WARRY UNDERSON OF THE BELOW BOX FOR A MINIMUM OF					
		oppicinentary evide	nce in the below box for a minimum of					
three of the six (fault) tasks								
Candidate Signature	Candidate Name		Date					

				(GROUP B)				
		osis and Rectification redures	Reference/Job No	Fault 4				
	Job location 17	Princess Grove		Date 10/6/22				
	-7	CW HW	CH /	SAN RWS				
	Confirm what procedure	Manufacturer's		Fauly Thermostat)				
		instructions	Diagnosis flow Service history/ system component analysis					
	Overview of how the fau		Confirm process for d					
)	- NO CENTRAL - USE electrical PONEY - FOUND fault on	Heating working tessers to Confirm Swith	- confirmed no 1	Spare, happing label spare, happing label soltage at lemoset E, HE				
	Overview of repair or rep	lacement process	Recommissioning and					
0	- Disconnect Will - Removed all 1 - Replace With - Reference to in Manufactor W	es Termostat New Termostat Orawina nstructions (will	- Unlook hise spare, ve inskt electric operation; Time clockon Clocked operation; Time clockon Demand with Room stat clocking Explaines New Coltrol to Custonei.					
	Provide a supporting pho three of the six (fault) tas		upplementary evidence in	n the below box for a minimum of				
0		D						
	Candidate Signature	Candidate Name		Date				

5.1-4 Commission Plumbing and Heating Systems (Pre-Commissioning)				Referen Commissi			Docum	-Commi ent 1 O mmissi		
Job location	65 Bai	ton Wa	uk f	BLY 9	ás	Date	2	23/5	122	
System type (Choose 1)	Cold and Hot water	/	Centra Heatin				Sanitatio Orainage			
Overview what was commenced						-				
Before I E Pife Work Checked the of before I talet system The Wash ha overview of how the once I tur leaks then: did not re bay! Valve Flushed a Co	performed was a cand base esystem was so med the I turned ach the So the	assembled IN I Sel undness tested Water I the 1. Correct le	corre	ectly of Coldifilled  13 loon Value  to help the	und no d ta	oth pt	ing to	ecke e Wi	of for	
What checks were m as necessary.	ade for leakage	and how were	these re	ctified	How was	the s				
What checks were made for leakage and how were these rectified How was the system flushed or cleansed										
Candidate Signature	Candi	date Name		2.37	100		Da	ite	134	

5.1-4 Commission Plumbing and Heating Systems (Pre-Commissioning)			Refere		Documer	ommission nt 2 Of 3 F mission 1	
Job location	65 Bar	ton wo	IK BL4	905	Date 2	3/5/	22
System type (Choose 1)	Cold and Hot water	/	Central Heating	1	Sanitation of Drainage	and	
Overview what i	was visually inspecte	ed and checked	d on installation co	mpletion befo	ore filling or co	mmissionii	ng
	v the system was sou	ındness tested	l charged/filled				
I turned Dack to I Filled	the filling loop ented some of 1-1 bar the the syct	p on an of the ro	d then fille adatos, I h ated the la	the since the size of the	gstem b opped the radiat	System Ws, the	m hen
I turned I then vo Dack to I Filled Filling 100f	the Filling loop ented some c 1.1 bar the the syst of Hot Wa	te tion	d then fille adatos, I h ated the la	IM HOL	water	PIMP "	m hen he
tilling 100F	the filling loop ented some of 1.1 Dar the the syst- of Hot War re made for leakage	ter flow	d then fille whatos, I inted the I can to 11 b I rate II L deg cold w	ater was	14 deg A	FILG D	ious
What checks we necessary.  All Pipe wo	of Hot Wa	and how were	d then fille dates, I inted the la aun to lib is rate II been Cold W these rectified as	How was in as required the Si	14 deg A	The decided hed or led	ious dinsed
What checks we necessary.  All Pipe wo	re made for leakage	and how were	d then fille dates, I inted the la aun to lib is rate II been Cold W these rectified as	How was in as required the Si	the system flus	The decided hed or led	ious dinsed

		ion Plumbing and Pre-Commission		Refer Commi		Docu	ect Obse ment 3 ( commiss	Of 3 From
	Job location	BARTOR	WALK	Batton		Date	23	05/22
	System type (Choose 2)	Cold and Hot water	/	Central Heating	/	Sanitat Drainag		
	Overview of the observation and more technical detail around the 2 of the above system types which were commissioned							
	THIS WAS A GOOD ASSESSMENT ADAM CARRIED OUT THE COMMISSIONAL PROCESS TO ALL TRANSPERY STANDARDS AND FALCULARY MANUFACTURES (SEE COMMISSIONING SHEET POOR 618)							
0	Details of how the c	andidate complete	d all required	performance an	d operation c	hecks		
	ADAM ADJUSTUD FLOW RATES CHUCKED FOR THE TOMPARAME RILE BSTUDEN THE CLUS I HWS OF THE FLOW RATE FREULINGS TOM MONUTACHURES TOMPOS SYLEST. I HE RILE OLIVETUD THE FLOW AND RETURN TEMPERATURES THEOLOGY CONTIAN HORTHOR SHIPPER GENTLE OF THE PROPERTY OF THE P							
	Overview of what wo		the custome	r (assessor to	What docun was comple		ommissio	ning record
	Commissioning SHLET Page 628							ET:
ا								