

## Demonstration Scenarios

### Scenario for Demonstration Task 1

#### Requirement – Body Map.

The Supplier shall develop a graphical representation of a series of injuries inflicted upon an individual using the information below. The information highlighted in the following passage is taken from a Post-Mortem Statement produced by a Pathologist. The information has been anonymised in order that a relevant requirement can be highlighted.

A presentation in either PDF or Power Point format shall be prepared from this information.

NB. No further information will be supplied for this task.

Cause of Death:

1. Hypoxic Brain Injury, due to
2. Cardiac Arrest, due to
3. Manual Strangulation

#### External Examination

The body was received in a hospital body bag wearing a hospital gown. The body was that of an adult Caucasian male whose appearances were consistent with the stated age. He measured 1.78 m (approximately 5'10") and weighed 111 kgs (approximately 17st 7 lb). His body mass index was 35 kgs/m<sup>2</sup>. The head hair was grey/brown, measuring up to 50 mm long. Some subconjunctival haemorrhage was present over the inner aspect of the left eye. Natural teeth were present. There was a full beard.

A list of recent injuries are taken directly from the report:

Of Head and Neck

- Just above the outer half of the left eyebrow, there was a sutured incised wound 45 mm long with evidence of gluing. At the lateral end there was a slight scratch 20 mm long.
- Across the inner aspect of the left eyebrow, there was a vertically orientated sutured and glued incised wound 35 mm long.
- There was a left-sided red/purple peri-orbital haematoma 70 x up to 40 mm.
- The nose was broken.
- There was bruising down the lower half of the nose measuring 45 x 35 mm.
- There was a red/purple right-sided peri-orbital haematoma 60 x 40 mm.
- On the left side of the forehead above the eyebrow and extending down to the outer angle of the eye, there was a vague red bruising 80 x 80 mm.
- On the inside of the lower lip on the right side, there was red/black bruising 40 x 30 mm.
- On the inside of the lower lip 20 mm to the right of the left angle of the mouth, there was a black bruise 30 x 10 mm with a healing abrasion 8 x 8 mm.
- On the inside of the upper lip on the left side, there was a purple bruising 30 x 35 mm.

- Just in front of the top of the left ear and extending onto the antihelix, there was a stapled and glued incised wound 37 mm long with sutures on the antihelix. This was associated with bruising to the front of the ear 40 x 35 mm and on the back of the ear 65 x 35 mm.

#### On the Left of the Upper Limb

- Over the outer part of the antecubital fossa, there was an incised wound 25 mm long gapping to 10 mm which extended through the skin to the fat with a little healing around the edge.
- On the back of the mid part of the forearm, there was a blue bruise 35 x 40 mm (? Medical).
- On the back of the hand, there was blue/purple bruising 110 x up to 70 mm.
- Across the metacarpophalangeal joint of the middle finger, there was an interrupted superficial incised wound 35 mm long.
- At the base of the little finger on the back of the hand, there was an incised wound 20 mm long gaping to 5 mm and extending through the skin into fat.
- Over the proximal interphalangeal joint of the index finger, there was a blue bruise 20 x 20 mm.
- Over the proximal interphalangeal joint of the middle finger, there was a blue bruise 20 x 15 mm.
- Over the proximal interphalangeal joint of the little finger, there was a blue bruise 20 x 15 mm.

#### Of the Right Upper Limb

- On the front of the upper arm, there was a blue bruise 20 x 30 mm.
- Over the top of the upper third of the upper arm, there was a superficial scabbed incised wound 35 mm long.
- Commencing on the back of the upper third of the upper arm and passing forwards and downwards, there was an incised wound 130 mm long. The upper 25 mm was a scratch with the middle 65 mm a healing incised wound extending to fat. The distal 40 mm was comprised of multiple parallel superficial scratches measuring up to 20 mm in length.
- Around the tip of the elbow, there was a red/blue bruising 40 x 30 mm with, just below this, a scabbed abrasion 20 x 20 mm.
- On the back of the forearm, there was a vertically orientated stapled incised wound 35 mm long which extended down to muscle with extensive bruising and blood clot beneath.
- Around the base of the thumb, there was interrupted purple bruising 70 x 30 mm.
- On the back of the hand, there was blue slightly swollen bruising 80 x 100 mm.
- On the back of the proximal interphalangeal joint of the middle finger, there was a blue bruise 20 x 20 mm
- On the back of the proximal phalanx of the ring finger, there was a very superficial incised wound 2 x 1 mm.
- On the back of the proximal phalanx of the index finger, there was an abrasion 1 x 1 mm.
- In the web space between the thumb and index finger, there was blue bruising 20 x 20 mm and a skin flap 5 x 3 mm.

## Of the Torso

- There was a blotchy blue bruising 80 x 70 mm to the right side of the mid part of the chest centred 210 mm below the sternal notch and 80 mm to the right of the midline.
- There was vague bruising 150 x up to 160 mm in the midline of the chest between the level of the nipples.
- On the back, there was a superficial healing skin break 25 x 13 mm situated 90 mm below the vertebra prominens and 70 mm to the left of the midline.
- 95 mm below the vertebra prominens, there was a curved superficial abrasion 30 x 5 mm.
- 220 mm below the vertebra prominens, there was a curved abrasion 30 x up to 8 mm.

## Of the Left Lower Limb

- On the front of the knee, there was a scratch 22 mm long.
- Just below the knee, there were multiple red abrasions in an area up to 80 x 70 mm.
- There was a blue bruise 120 x 40 mm on the mid part of the left shin.
- On the top of the foot, there were scabbed abrasions 20 x 25 mm with, at the front of the ankle, an abrasion 10 x 10 mm and a purple bruise 30 x 30 mm.
- Over the proximal interphalangeal joint of the middle toe, there was an abrasion 3 x 3 mm.
- Over the proximal interphalangeal joint of the second toe, there was an abrasion 4 x 3 mm.

## Of the Right Lower Limb

- Just below the knee, there was a healing abrasion 35 x 35 mm.
- Over the outer aspect of the front of the lower half of the shin, there was a patchy abrasion and punctate bruising 70 x 50 mm.

## Internal Examination

### Laryngeal cartilages and hyoid bone:

- There was a fracture across the laryngeal cartilage below the base of the right laryngeal horn with a further fracture at the base of the left laryngeal horn. There was associated heavy bruising most marked around the left side. The hyoid bone was intact.

### Mouth and Tongue:

- There was bruising along the base of the tongue most marked on the right side.

### Scalp:

- There was bruising around the left side of the back of the scalp 90 x up to 130 mm extending into the left temporalis muscle.
- Further bruising was present on the right side of the scalp above the ear measuring 50 x 60 mm extending into the temporalis muscle on the right side.

- In the right frontal scalp just in front of the hairline, there was further bruising 40 x 40 mm.

#### Soft tissues of the face:

- There was diffuse bruising over the left cheek 60 x 80 mm.
- There was further bruising over the right cheek 70 x 60 mm.
- Over the posterior aspect of the right mandibular ramus, there was further bruising 30 x 20 mm.
- There was bruising over the mid part of the inferior aspect of the left sternohyoid muscle and in the fascia beneath.
- There was bruising 30 x 25 mm in the left sternothyroid muscle.
- There was little bruising on the inferior aspect of the right sternothyroid muscle measuring 10 x 10 mm.
- There was bruising in the right geniohyoid muscle.

#### Soft tissue of the chest and abdomen:

- Over the front of the right side of the ribs, there was bruising 210 x 190 mm associated with underlying fracturing of the ribs.
- Over the lateral aspect of the left side of the chest, there was bruising 170 x 230 mm.

#### Soft tissue of the back:

- Beneath injury 34, there was dense bruising 80 x 60 mm with, below injury 35, dense bruising 90 x 60 mm.
- There was dense bruising 150 x 100 mm over the back of the upper left scapula.
- In front of the lower part of the left scapula, there was bruising 110 x 80 mm.
- There was patchy bruising 50 x 50 mm within fat and muscle overlying the lateral aspect of the mid part of the left ribs.

#### Soft tissues of the arms:

- There was dense bruising around the entire right forearm with bruising extending up the front of the curvature of the right upper arm, the mid and lower triceps and down the back of the right hand. There were no areas of discrete bruising. In the left arm, there was bruising over the front of the lower biceps and over the deltoid. There were no discrete separate bruises.

#### Principle findings of examinations

- Fractures of the laryngeal cartilage.
- Subconjunctival haemorrhage over the inner aspect of the left eye.
- Three incised wounds to the face.
- Seven incised wounds to the upper arms.
- Bruising to the face.
- Bruising to the upper limbs
- Curved abrasions and bruising to the back.
- Fractures of the 1<sup>st</sup> to 6<sup>th</sup> ribs bilaterally with associated bruising.

#### The Other Injuries:

- In addition to the injuries sustained as a result of strangulation, there are a number of other injuries in the form of injuries resulting from both blunt and sharp force.

#### Knife-Related Wounds

- There were three superficial incised wounds to the face, two around the left eyebrow (injuries 1 and 2) and a third across the top of the left ear (injury 11). In addition, there were three incised wounds to the left arm (injuries 12, 15 and 16) and four to the right arm (injuries 21, 22, 24 and 30). All of these incised wounds were relatively superficial and represent slash-type wounds rather than stab wounds. Although there had been some clinical concern regarding injury 24, these injuries would not have been expected to be life-threatening although they would be associated with significant blood loss. All of the injuries to the arms, and in particular to the hands, are likely to represent defensive-type injuries whereby the witness had attempted to fend off a blade, grab at a blade or protect his head from further blows with a knife. In total there were ten slash wounds with a knife with one of these wounds having parallel superficial scratches at its lower end (injury 22). This is indicative of the use of a serrated blade to inflict this injury. All of the injuries could however have been caused by the same knife.

#### Blunt Force Injuries

- There were a number of bruises to the face, limbs and torso. On the back, there were two curved abrasions (injuries 34 and 35) which were associated with significant underlying bruising. These injuries would be consistent with a blow from a weapon with a curved surface and would be in keeping with blows from the pressure cooker lid. The other injuries are less specific and have been most likely the result of forceful slaps and punches. There have been a minimum of five such blows to the head, although conceivably there have been more with multiple blows landing in the same area producing a single discrete area of bruising. The bruising around the fatty tethering of the large bowel is suggestive of a forceful blow to the abdominal area.

#### The Rib Fractures

- There were fractures of the 1<sup>st</sup> to 6<sup>th</sup> ribs anterolaterally on both sides. These were associated with heavy bruising. Rib fractures in a position such as these can often be the result of resuscitation attempts especially when there has been prolonged resuscitation as in this case. However fractures of the 1<sup>st</sup> ribs would be unusual for resuscitation and therefore the rib fractures may well be the result of blows to the chest or direct compression of the chest such as when the attacker was seen sitting astride the victim.

#### The Other Injuries

- The abrasion to the knees and elbows are consistent with a fall or collapse to the ground.

#### Photographs Taken

- A left-sided black eye.

- Above the left eyebrow and running horizontally there was a sutured incised wound 40 mm in length.
- Above the inner aspect of the left eyebrow there was a vertically orientated sutured incised wound 35 mm in length.
- There was a blue bruise on the upper half of the left pinna measuring 30 x 20 mm with a stapled incised wound measuring 20 mm situated immediately above the pinna and extending for a further 20 mm across the pinna itself.
- There was bruising to the tip of the nose.
- There was a right-sided black eye.
- On the right arm there was a superficial incised wound 30 mm in length.
- On the lower half of the right upper arm on the lateral aspect and extending onto the back there was an incised wound measuring in total 160 mm long. The upper 90 mm was a scratch with the lower 70 mm extending to muscle. Slight linear scratches could be seen emanating from this lower portion. The wound ended as a 35 mm area of linear parallel scratches measuring up to 10 mm in length.

## **Scenario for Demonstration Task 2**

This scenario involves a money laundering operation.

The defendants in this matter work for a 'not for profit' organisation (The Love and Light Commune) and have embezzled funds from a donor (The Weekes Foundation) which should have been invested in the community project but was instead channelled into the defendants own businesses and subsequently used for property transactions. The original donation of £500,000.00 has been received from the Donor.

The Supplier shall produce two (2) electronic presentations to depict the two (2) key elements of this matter, namely the movement of funds between the companies involved and the subsequent acquisition of properties using the funds.

The first presentation should illustrate the movement of money between the companies involved in an animated sequence. This should show the geographic location of the key parties/companies involved and illustrate the 'route' the money has taken between these companies. This should have the facility to include annotations and images, such as transaction amounts, company logos, pictures, directional arrows. It must provide an overview of the general processes involved in a way that can be easily understood by a jury.

The presentation must allow documents (e.g. bank statements) to be overlaid whilst maintaining the animated sequence as a backdrop. These documents should be linked to the specific companies responsible for the transactions. The presentation must contain annotation tools in order to allow aspects of the overlain documents to be highlighted. The presentation should also allow for audio and video files to be opened against this backdrop and played.

*NB: The actual locations of the companies are immaterial; the purpose of the exercise is to assess Supplier's ability to present evidence in a graphical form. Suppliers can use whatever locations they wish. Additionally it is recognised that no specific evidential documents (bank statements etc.) have been provided; Suppliers should use fictitious documents to demonstrate the capability to incorporate annotations and linked documents.*

The second presentation should take the form of an interactive map, displaying the locations of all the properties purchased using the proceeds of crime. This should have the facility to include annotations and images, such as transaction amounts, pictures, photographs, directional arrows etc.

The presentation must have the facility to display an interactive chronological timeline relating to each property; illustrating when each was purchased. We require the facility to overlay documents (e.g. mortgage deeds) at each of the points in the timeline.

*NB: For the purposes of the exercise Suppliers should assume there are five (5) properties. The actual chronology is left to the Supplier's discretion.*

Both presentations must be constructed and displayed in a clear, simple, coherent format that can be easily understood by a Jury.

We require the presentations to be simple to operate in order that they can be operated by a member of the CPS, police or court service staff.

## Details of Movements

### Companies

The Weekes Foundation  
Love and Light Commune (charity)  
Excelsior Limited  
Brown and Brown  
Williams and Godfrey PLC  
FB Holdings (GC) Ltd

### Persons

J Smith (Charity Chairman)  
A Jones (Charity Secretary)  
P Green (Charity Officer)  
F Bloggs  
L Harvey  
P Bloggs

### Banks

Barclays City  
NatWest City  
Lloyds City  
HSBC City

### Transactions

The Weekes Foundation	to	Love and Light Commune	£500000.00
Love and Light Commune	to	Expenses and Purchases	£ 7500.00 £13200.00 £22300.00 £42500.00 £ 7850.00 £22000.00 £ 2000.00 £17400.00 £27850.00 £ 7800.00 £16000.00 £21000.00 £ 5200.00 £13000.00
J Smith	to	Excelsior	£ 7500.00 £13200.00

			£22300.00
	to	Brown & Brown	£42500.00 £ 7850.00
	to	Williams & Godfrey	£22000.00
A Jones	to	Excelsior	£ 2000.00 £17400.00 £27850.00
	to	Brown & Brown	£ 7800.00 £16000.00
	to	Williams & Godfrey	£21000.00
P Green	to	Brown & Brown	£ 5200.00 £13000.00
Excelsior	to	Barclays City	£ 90250.00
Brown and Brown	to	NatWest City	£182600.00
Williams and Godfrey	to	Lloyds City HSBC City	£ 22000.00 £ 21000.00
Barclays City	to	F Bloggs	£ 90250.00
NatWest City	to	F Bloggs	£182600.00
Lloyds City	to	F Bloggs	£ 22000.00
HSBC City	to	F Bloggs	£ 21000.00
F Bloggs	to	J Smith	£ 40000.00
		J Smith	£ 25000.00
		J Smith	£ 15000.00
		A Jones	£ 15000.00
		A Jones	£ 5000.00
		A Jones	£ 35000.00
		A Jones	£ 20000.00
		P Green	£ 15000.00
		P Green	£ 25000.00
		L Harvey	£ 12000.00
		P Bloggs	£ 5750.00
		FB Holdings (GC) Ltd	£102500.00

<u>Purchases</u>	<u>Address</u>	<u>Purchase Price</u>	<u>Mortgage</u>
J Smith	14 High Street, Wolverhampton.	£160000.00	£ 80000.00
A Jones	17 Station Road Llanelli.	£ 95000.00	£ 20000.00
P Green	Flat B, 2, Church Street, Portsmouth	£ 55000.00	£ 15000.00
FB Holdings	The Lodge, George Town, Grand Cayman.	£ 50000.00	£ 0
FB Holdings	The Old Rectory, George Town, Grand Cayman	£ 52500.00	£ 0