Disabled Archery from a Judges Perspective.

Presented

By

Gary Bellamy on behalf of S.C.A.S



What are we as Judges looking for when dealing with archers with disabilities?

Disabled Archery or Para Archery, is a vast subject as it covers all the general rules of archery and then the disability rules. As it is a vast subject I will be keeping to the basics for now, but if you have any questions throughout this presentation, please stop me and ask.





- Archery is a fully inclusive sport for all and this should be encouraged at all levels of our sport.
- The rules that have been put in to place for disabled archery, whether it be Para or disabled archery are in place to make sure everyone can compete at an equal level, without any beneficial advantage over one another.
- As judges we should not get overwhelmed by the task of following and enforcing the rules, we should be knowledgeable, calm, efficient and fundamentally fair.
- If you are in any doubt or concerns allow the archer to participate with their dispensation in accordance with the rules, any issues can be resolved afterwards.

Archery GB Rules of Shooting and World Archery rules.

Archery GB Rules

1100 Policy. Disabled archers should be in a position to participate and compete to the best of their ability. If disabled archers are unable to comply with a Rule of Shooting then they will be allowed dispensation from that Rule and any reasonable adjustments necessary will be made. Any variations must be related to the needs and the safety of the person concerned.

Club and Non Record status Tournaments.

Archers can self declare a disability and use any variation of the Rules of Shooting, provided it is safe to shoot.

Evidence of disability should ONLY be sought under exceptional circumstances.

Record status Tournaments.

 An archer can still self declare a disability, but for automatic dispensation, must be seen to make compliance with the rule Impractical.

Judges are not required to seek
 evidence from an archer of his/her
 disability, but do need to validate that
 an archer and equipment is in
 accordance with the rules.



Blue badge scheme

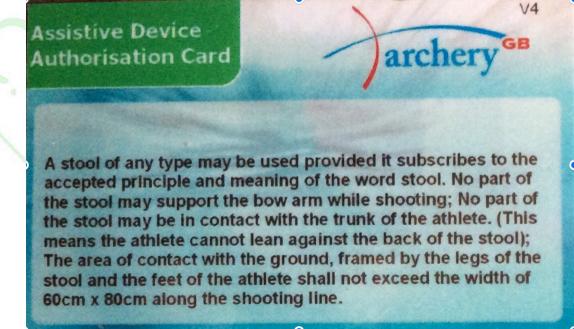
Check ownership and date!

AGB dispensation card

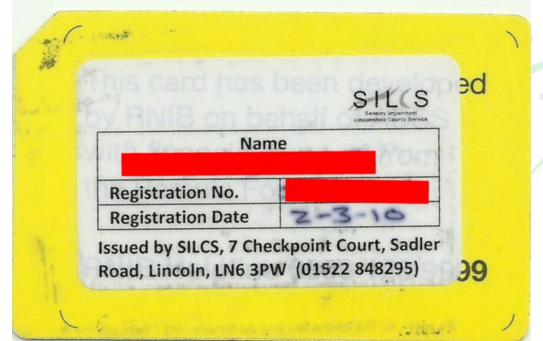
Check ownership & dispensation

AGB no longer issue these, but still valid.



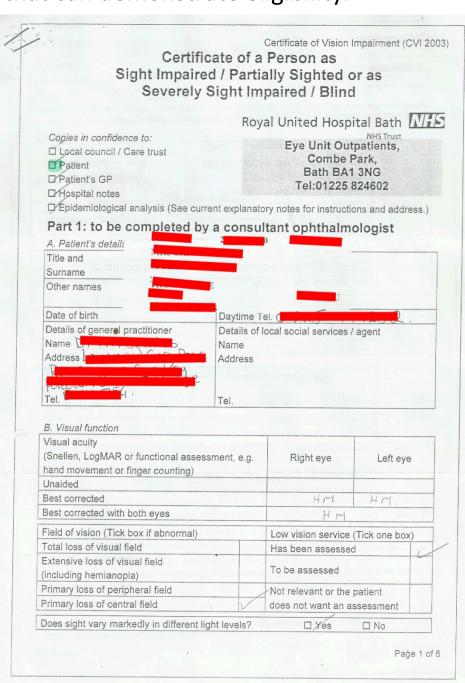






Local Council Sight impairment card







Your sight classification has been assessed as:

B2

Date: 9th April 2018

Re-classification due: April 2020

BBS Sight Classification

Pure Offices, Plato Close, Tachbrook Park, Leamington Spa, CV34 6WE t. 01926 424247 e. info@britishblindsport.org.uk

www.britishblindsport.org.uk

Current National Classification certificate. For Non Eligible archers and National classification archers. Check dispensation.

ASSISTIVE DEVICE	S	CLASSIFICATION	ACTUAL CLA	SS		
wheelchair	Stool / chair	W1	W2	ST		
compound bow	release aid	1	VVZ	31		
bow bandaged	assistant	Shooting review	Yes/no	Classifier initials		
bow arm splint	body support / strapping	Shooting	Class	mitials		
Prosthesis	block	W1 W2	ST	Not Eligible		
			///	ر		
No shoes	Prescription back rest	Name of authorised cla	ssifie rs (block ca	apitals)		
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Recurve division	Compound division	CLASSIFIER			M / F	
		signature	C	LASSIFIER signature		
					FAMILY NAME	
		PROTEST			7	
		Date and time			GIVEN NAME	
COMMENTS		Name of classifiers on p	protest jury		BIRTHDATE	
COMMENTS:						
		the following charges ar	e upheld after p	rotest	DATE/	
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		01.400/5/55	-			
	ž.	CLASSIFIER signature	9	ATHLETE signature	ATHLETE signature	
					ed .	

Name	Bow Arm:	R/L	Full	Muscle	strenath	Coordinat	tion / ROM						
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	Shoulder	Flexion	80					100	RUNI	K BALANC	E		
		Extension	45] 1	Vormal		Fair	
HANDICAP CATEGORY		Abduction	180] F	Poor		None	
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Tetraplegia Amputee		Int. rotation	80					S	TANE	DING BAL	ANCE		
Paraplegia Les Autres		Ext. rotation	60					_	7 .			Form	
Polio Cerebral .Palsy.	Elbow	Flexion	150						_	Vormal		Fair	
Spina bifida		Extension	150			1	-		_ F	Poor		None	
	Forearm	Supination	80	-		/	1						
TETRA / PARA / POLIO / SPINA BIFIDA		pronation	80	-			/						
Traumatic: yes no	Wrist	flexion	80	-		1	/						
A155 - 1 - 1 - 1 - 1 - 1 - 1		extension	70	-		T	-	Г	OMI	MENTS	-		
(description motor level)		Rad.	30	1		/	-		JOININ	ILIN I O			
	Fingers	Flexion	90	1	-		-	1					
(description sensory level)	- mgoro	Extension	45	1				_					
		Spread/Closin		/									
	Thumb	Opposition	1		mmmm								
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AMPUTATION	TOTAL UPP	ER LIMBS						-					
congenital acquired	Trunk	Up.Abdominal			Australia								
		Low.Abdomina						_					
(describe level of amputation)		Up.Extensiors						Po	oint Syste	m			
		Low.Extensors			,						range of mov	vement 1 - Mir	nimal range of movemen
		Rotation						2 -	- 1/4 mov	ement 3 - 1/2 mg	vement 4 -	3/4 movement	5 - Full range of
		Lat. flexion								trength: 0 - Total I	ack of volunt	any contraction	1 Troop foint
CEREBRAL PALSY	TOTAL TRU	T					-	coi	ntraction	without any move through full range	ment 2 - Po	or, contraction	with very weak
(describe type of cerebral palsy)	Legs and	Flexion	120				-	coi	ntraction	with movement th	rough the co	mplete joit rang	e against gravity 4 -
a) congenital	hip	Extension	120		-			res	sistance	raction with full ran 5 - Normal, contri	nge of moven action of nom	nent against gra mal strength thr	avity and some ough full range of motion
		Abduction Adduction	45		-		-			resistance			
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b) acquired / date / Details		External rot	45			-	-	sei an	equence o	of movement is ver	y difficoult ar	nd can only be o	carried out very slowly otion by fast repetition.
	Knee	Flexion	135			-	+	3 -	- The mo	vements can only	be carried ou	it slowly but rou	ghly without faults and 4 - The movements are
		Extension	135					slig	ghtly und	o-ordid and/or not	more than 7	5% range of mo	tion by fast
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	Ankle	Dorsiflexion Plantarflexion	20 45		-	-	-						
(describe disability)		riantamexion	45				-						
	TOTAL LOV	/ER LIMBS						H 10					9

Old style classification form: Valid for RS & WRS at National events, NOT International, Check Dispensation.

ASSISTIVE DEVIC	ES	CLASSIFICATION ACTU	JAL CLASS	
wheelchair	Stool chair	W1 (W2	ST	6
compound bow	release aid			PARA-ARCHERY
bow bandaged	assistant	Review	of no Classifier initials	TO SEA PROFILE SERVER
bow arm splint	body support / strapping	Shooting Cla W1 W2 ST	ss \	Anel Magnet 1
Prosthesis	block	W1 W2 (ST	/	TAA FERRA VERSTAD ARRESTEELE
				The second second
No shoes	Prescription back rest	Name of authorised classifier	rs (block capitals)	PPS[C] (PRS[R])
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		signature	signature	
		PROTEST		FAMILY NAME GIVEN NAME
		Date and time		BIRTHDATE &
		Name of classifiers on protes	st jury	
COMMENTS:	Review within			To land
2 year	stime.	the following charges are upl		country <u>England</u> .
		the following charges are up	neid after protest	DATE 25th June 2012
				PLACE Stoke Mandeville
			\ 	1
		CLASSIFIER signature	ATHLETE signature	ATHLETE
				ATHIETE

HANDICAP CA	TEGORY
Tetraplegia	Amputee
X Paraplegia	Les Autres
Polio	Cerebral .Palsy.
Spina bifida	
TETRA / PARA	/ POLIO / SPINA BIFIDA
Traumatic:	yes no
(description motor	r level)
	congenital acquired
(describe level of	Miles Victor Victor Company
(describe level of CEREBRAL PA (describe type of a) congenital	amputation)
CEREBRAL PA (describe type of da) congenital	amputation)
CEREBRAL PA (describe type of da) congenital	amputation)

Bow Arm:	R(L)	Full	Musch	e strength	Coordination / ROM		
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Shoulder	Flexion	80	5	5			
	Extension	45	,				
	Abduction	180					
	adduction	40					
	Int. rotation	80					
	Ext. rotation	60			Link		
Elbow	Flexion	150					
	Extension	150					
Forearm	Supination	80	- 1				
	pronation	80	Value of				
Wrist	flexion	80	1				
	extension	70					
	Ulnar	40	- 1	100.00	hosty	s to est	
	Rad.	30				No. 10	
Fingers	Flexion	90	11				
	Extension	45	1				
	Spread/Closin		1				
Thumb	Opposition		188	ппиши			
	Extension	20000		пинини	A THE STATE OF	G Balling	
TOTAL UPP	ER LIMBS				Hisa	480	
		1 5	- 1		SHR SH		
	Low.Abdomina	Bitte	1				
	Up.Extensiors	-					
	Low.Extensors	3+	X				
	Rotation	5					
	Lat. flexion	7			10000	0.000.00	
TOTAL TRU	NK T	3	-				
Legs and	Flexion	120	3	3			
hip	Extension	120	1	2			
	Abduction	45	2	3			
	Adduction	20	2	2			
	Internal rot	45	1	2-			
	1-0000000000000000000000000000000000000	45	A	2-			
	External rot		1	1	K. 67. 3		
Knee	Flexion	135	1	1			
Knee		135 135	3	3			
Knee	Flexion	-	3	,			
	Flexion Extension	135	3 4 2	3			

TRU	INK BALAN	CE		
X	Normal		Fair	
G	Poor		None	
STA	NDING BAL	ANCE		
	Normal		Fair	
	Poor		None	
				100
CO	MMENTS	inglishes/4 (Proceedings:
-	of adjustice to	- Colgon	h	nospi spanninga G

Point System

Range of Movement: 0 - No range of movement 1 - Minimal range of movement 2 - 1/4 movement 3 - 1/2 movement 4 - 3/4 movement 5 - Full range of movement 5 - Full range of

Muscular Strength: 0 - Total lack of voluntary contraction 1 - Trace, faint contraction without any movement 2 - Poor, contraction with very weak movement through full range of motion when gravity is eliminated 3 - Fair, contraction with movement through the complete joit range against gravity 4 - Good, contraction with full range of movement against gravity and some resistance 5 - Normal, contraction of normal strength through full range of motion against full resistance

Co-ordination , Spasticity, Athetosis, Ataxis: 0 - No functional movement at all 1 - Vory minimal co-ordinative movement possible, non functional 2 - The sequence of movement is very difficult and can only be carried out very slowly and unco-ordinated and/or not more than 25% range of motion by fast repetition. 3 - The movements can only be carried out slowly but roughly without faults and /or not more than 50% range of motion by fast repetition. 4 - The movements are slightly unco-ordid and/or not more than 15% range of motion by fast.

- These are all good examples of eligibility evidence and there are many others.
- How does their disability effect their Archery?
- Are they shooting safely within the rules and as such any devices used suitable & practical.
- In cases of doubt, dispute or complaint, the archer should be allowed to participate.

(Afterwards forward any concerns direct to AGB via the Record status paperwork).

"Don't feel awkward to talk to the archer should the need arise to ask for dispensation evidence or to look at any adaptions to their equipment".

If an archer, disabled or not is claiming a dispensation, but do not have the correct evidence with them.

- Under Archery GB rules: The should be allowed to participate in the tournament with their dispensation claim and then afterwards pass your concerns on to AGB for clarification and or investigation.
- At World Archery events at National level: They should be allowed to participate in the tournament, their score can be used in the competition, records, ranking lists, target awards (but could be subject to investigation and reversal if found not to be within the rules, they should also be allowed to participate in any H2H's.
- Under World Archery rules at International level: An archer MUST have a classification, if they want a dispensation.
 (An our club, county, RS and WRS level we should be encouraging more participation in the sport, using the rules given to us to officiate at in a fair, knowledgeable manner)

- When a disabled archer is progressing their archery and wish to shoot at higher levels they should get classified, if they require dispensation.
- We have a classifier within SCAS, she is based with BWAA at Stoke Mandeville. (details can be passed on)
- Eligible Classification injury types include: (must be a permanent disability)

Impaired muscle power, Impaired passive range of movement, Loss of limb or limb deficiency, Hypertonia, Ataxia and Visual Impairments

Non Eligible Classification injury types include: (must be a permanent disability)

Pain, Low Muscle tone, Hyper mobility of joints, Joint instability, (such as unstable shoulder joint or recurrent dislocation),

Impaired motor reflex functions, Impaired muscle endurance, Impaired cardiovascular or respiratory functions, Impaired metabolic functions, Tics and mannerisms, stereotypes and motor perseveration

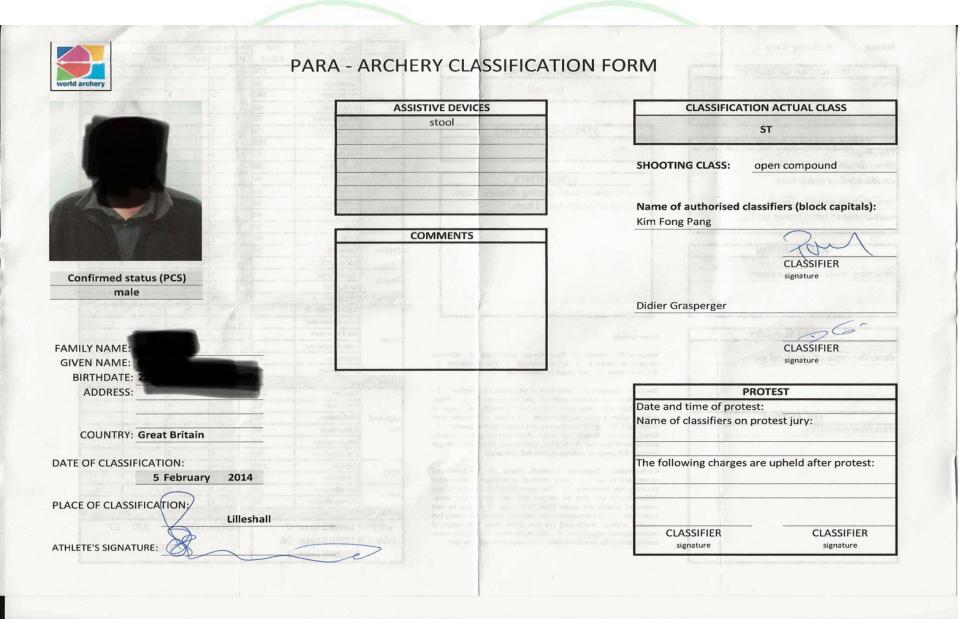
AGB & WA Classifications:

OPEN (formally ST (standing) and W2) Athletes may have impairment in the legs and use a wheelchair or have a balance impairment and shoot standing or resting on a stool. Open category athletes may shoot in recurve or compound competitions.

(Athletes using a stool <u>must</u> have feet on the ground, where as Wheelchair athletes must have feet on the <u>chair</u>).

- W1: W1 Athletes may have impairment in the legs and make use of a wheelchair. W1 athletes may shoot either a recurve or compound bow modified from standard rules, do not have separate competitions for the two disciplines (feet must be on chair)
- NE: Non Eligible (National level only)
- Visual Impaired Classifications:
- **V1**:This category encompasses no light perception in ether eye to light perception, but inability to recognise shapes at any distance or in any direction
- **V2 & V3**: Both of these categories involve a low level of usable partial vision, those in this V3 category will be able to see more than those in the V2 category. V3 is the highest category used for International and Paralympic sport.

Currant WA International classification certificate: Current Version Check Dispensation

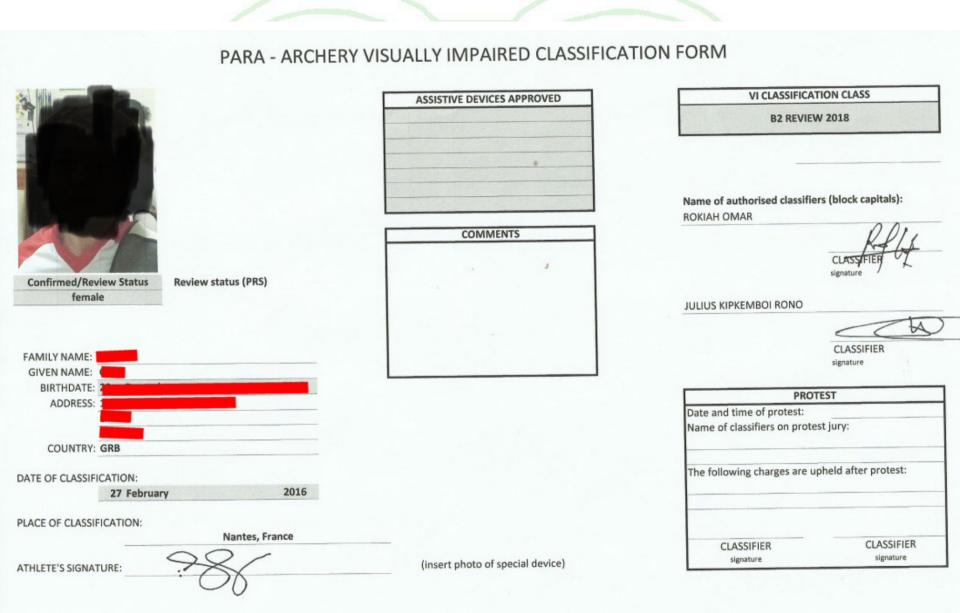


ordinated and/or not more than 25% range of motion by fast repetition. 3 - The movements can only be carried out slowly but roughly without faults and /or not more than 50% range of motion by fast repetition. 4 - The movements are slightly uncoordinated and/or not more than 75% range of motion by fast

Name -	
HANDICAP CATEGORY	TRUNK BALANCE
Para	normal
SEASTANDIN ACTUAL CLASS	S (FE)
	STANDING BALANCE
TETRA / PARA / POLIO / SPINA Traumatic:	fair
description motor level:	MITOORIE
cauda equina syndrome	COMMENTS
cada cquiid syriai offic	pain in lower back during classification.
description sensory level:	Functional reach test 18cm
numbness in both lower limbs	Kir Fong
AMPUTATION	- THE
describe level of amputation:	
A STATE OF THE STA	and the second second
CEREBRAL PALSY	Point System
describe type of cerebral palsy:	Range of Movement: 0 - No range of movement 1 - Minim range of movement 2 - 1/4 movement 3 - 1/2 movement 4 3/4 movement 5 - Full range of movement
7837OR9	Muscular Strength: 0 - Total lack of voluntary contraction 1 Trace, faint contraction without any movement 2 - Poc
ime of protests	contraction with very weak movement through full range
LES AUTRES describe disability:	motion when gravity is eliminated 3 - Fair, contraction wi movement through the complete joit range against gravity 4 Good, contraction with full range of movement against gravi and some resistance 5 - Normal, contraction of normal streng through full range of motion against full resistance
ing charges are upheld after protest:	Co-ordination , Spasticity, Athetosis, Ataxis: 0 - No function movement at all 1 - Very minimal co-ordinative movemen possible, non functional 2 - The sequence of movement is ve difficoult and can only be carried out very slowly and unc

Left	bow	Full	Muscle str	ength	ROM	MC		
Right	string	R.O.M	Left	Right	Left	Right		
200717	Flexion	170	5	5				
	Extension	40	5	5		i visito		
Chaulden	Abduction	180	5	5				
Shoulder	Adduction	40	5	5				
	Int. Rotation	70	5	5				
	Ext. Rotation	70	5	5				
CIII	Flexion	150	5	5				
Elbow	Extension	10	5	5				
_	Supination	90	5	5				
Forearm	Pronation	90	5	5				
	Flexion	50	5	5				
	Extension	60	5	5				
Wrist	Ulnar	40	5	5				
	Rad.	30	5	5	98 - 13			
	Flexion	90	5	5				
Fingers	Extension	10	5	5				
	Spread/Closin		5	5				
T1	Opposition		5	234	1			
Thumb	Extension		5					
TOTAL UP	PER LIMBS		95	85	C			
	Up.Abdominal		* \ \	5				
	Low.Abdominal			5				
	Up.Extensors			5				
Trunk	Low.Extensors			4	0	BULLY Y		
	Rotation	60	5	5		STATE OF		
	Lat.Flexion	100	5	5				
TOTAL TR	JNK			39	A SAME OF	11-11-11-11		
	Flexion	130	3	3				
	Extension	10	4	4	7.7			
Legs and	Abduction	40	5	5				
hip	Adduction	30	3	5				
	Int. Rotation	40	4	4				
	Ext. Rotation	50	4	4				
	Flexion	150	4	5	LI Exchange	A. 3 1		
Knee	Extension	5	4	5				
	Dorsiflexion	30	2	2				
Ankle	Plantarflexion	50	2	2		S A TO SA		
TOTAL LO	WER LIMBS		35	39	C			
	R LIMBS loss: R LIMBS loss:		TOTA	L LOSS:	320 -			

WA VI International Classification: Current version



World Archery Rules

World Record status Tournaments National and International events inc (Para).

Under World Archery rules, an archer <u>MUST</u> have a classification, if they want a dispensation.

For National events this need to be a National classification, issued by a classifier from the same country.

For International events this need to be issued by two classifiers from different nations from each other and the archer.

There is a classification for Non Eligible archers, this is where the archer does not meet the standard for international competition, their paperwork will allow the use of a stool etc

General Shooting Equipment (bows & arrows) is the same for all archers except for W1 archers, including VI archers who are also W1 archers.

Classifications and dispensations are part of the archers equipment inspection.

W1 Archers: Peak draw weight of bow is under 45lbs

No peep sight or scope is allowed

No leveling device

Release aids are permitted

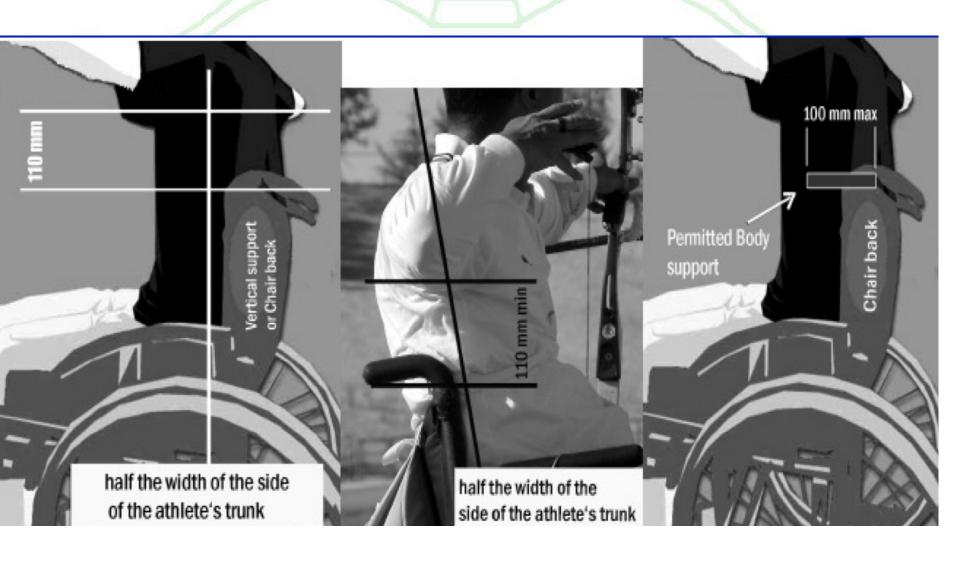
VI Archers: shooting with a visual sight, can modify it, including adding magnification. (45lb limit to VI compound bows)

W1 Archers use a full 80cm 10 ring face for ranking rounds and H2H's whilst Open compound and match play ,the 6 ring 80cm face is to be used (only in Para specific events) because results are normally recorded by classifications.

Wheelchairs:

A wheelchair of any type provided it has 4 wheels and conforms to the term a wheelchair (anti roll device is allowed)

- *The wheelchair should not exceed 1.25m in length, including archers feet.
- *No part of the wheelchair should support the archers bow arm whilst shooting at any distance.
- *The sides of the back support of the chair may NOT be further forward than half the width of the archers body on both sides.
- *The body support protruding forward from the main vertical frame of the chair, shall not be longer 100mm and shall be at least 110mm below the archers armpit.
- *All parts of the chair shall be at least 110mm below the archers armpit whilst shooting, at any distance.



Shooting stools: Any stool of any type can be used as long as in principle it conforms to the meaning of the word stool.

- * No part of the stool can support the bow arm whilst shooting
- No part can be in contact with the archers trunk (no back on the stool for the archer to lean back onto)
- The area of the stools framed legs and archers feet must not exceed 60cm x
 80cm along the shooting line.

Permitted body supports:

- Only W1 archers are allowed to use both a protrusion and strapping at the same time. They may use as much support/strapping to maintain body stability as long as none of the support or strapping is giving support to the bow arm whilst shooting.
- Other archers, only when their International classification card allows, may have a single strap, no wider than 5cm at any point and ONLY on the horizontal plane and wound only once around the torso.
- Some wheelchair archers may have leg strappings and only if authorised and noted on their International classification card.

Release aids:

* Any release aid may be used and may be attached to the wrist, elbow or shoulder or even held in the mouth and may also be permanently attached to the string. No release aids may be used in the Recurve open class, except mouth Tabs.

Head to Heads (H2H's)

During H2H stages a VI archers don't move from their position on the shooting line.

At WRS shoots (non Para), Para archers should be treated as other archers and should move during the stages of H2H's, just give them plenty of time to re- locate.

At WRS Para events (such as the BWAA Champs and Disability Champs the archers have 30 seconds per arrow if taking part in individual alternating H2H.

Ties: If there is a W1 tie and both reshoot a 10, then they re-shoot the tie again, whereas Open compound re-shoot if both shoot an X. This is easy to confuse as most W1's shoot compound and shoot at 50m, so it is easy to apply the wrong tie rule.

Visually Impaired (VI)

A VI Para archer is one with visual impairments. There are two divisions that are allowed:

- VI V1 athletes wear a blind fold (Should be worn whilst before entering the tournament field of play).
- VI V2/3 who do not wear blindfolds.
- These Para archers must be classified by an International Blind Sport Association (IBSA) Classifier nominated by the International Blind Sports Association for International Classification or BBS (British Blind Sports) for National Classification.
- These archers are tested for visual acuity only.
- Visually Impaired archers must apply to World Archery for classification by using the specific Medical Intake form which can be accessed via the World Archery website.
- Visually impaired archers are allowed assistive devices such as blindfolds, tactile sights and an assistant or a coach.

VI Rules

A VI archer using a tactile sight will shoot an extra end of sighting arrows at the initial distance, unless they opt not to.

For all rounds that have a change of distance of the target, a VI archer using a tactile sight will shoot an end of sighting arrows at each distance change, unless they opt not to.

A VI archer using a tactile sight will shoot a complete end of 6 arrows before retiring from the shooting line.

Adjustment of the tactile sights and foot pegs by the archer or a 3rd party can happen during sighting arrow ends and also between shooting ends.

A VI archer is permitted a spotter, who are allowed to stand 1m behind the archer and give basic instructions to the fall of each arrow, but must not be a disturbance to other archers.

A VI archer with a spotter, may only approach the target accompanied by their spotter.

VI Equipment:

Sights: The dimension is allowed to be a max of 2cm.

A WA compliant sight is no more than 2cm, under AGB rules there is no limit to size.

AGB

At no point can the sight be used as a resting device

The sighting stand must not represent a hazard to others

One set up the sight can be left in position until the end of the tournament

WA 2cm

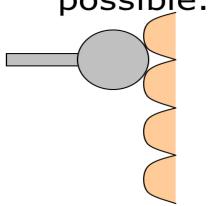
The tactile sight must be able to be adjusted by the archer without moving from the shooting line.



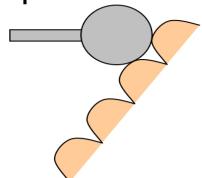


Importance of contact point size

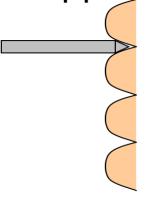




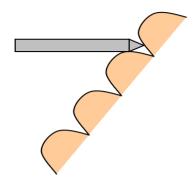
No support possible.



Possible support?



Possible support?



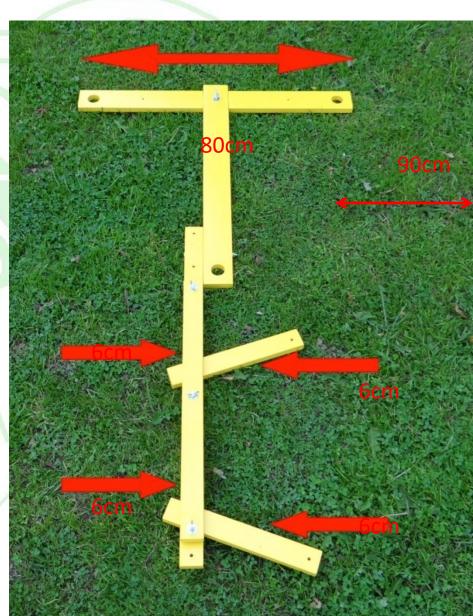


Foot Locators:

The total width of the stand/foot locator shall not be more than 80cm

The maximum depth of the functional part of the foot locator in contact with the archer shall not be more than 6cm.

There should be a space of not more than 90cm between each tactile stand (measured from the nearest point on each stand)









Thank you for giving me the opportunity to talk about Disabled archery from a Judges point of view, I hope you have learned something new from this, I most certainly have.

You will have quite likely noted there are many points missing, such as field layout (lane spaces) this would have been checked during range checks.

Different issues, Prosthetics, Splints, leg blocks, bandages, different VI categories and their rules (Blindfolds) etc.

These are the main issues you may encounter but there are many more and as more people are taking up disabled and Para archery the rules are evolving to suit more frequently.

The main focus for this presentation, if you do not know the archer in question, your unsure, ask to see their dispensation and equipment, they will not mind, in fact most have found they will welcome it and will go through it with you If you have any concerns or further questions, please do not hesitate to ask.

Please contact either:

SCAS Disabilities Liaison Officer:

disability@scasarchery.org.uk

Or

Karen Hodgkiss at AGB.

karen.hodgkiss@archerygb.org