## Developing the Right Sports Hall

## Introduction

The following sports data sheets are for use in conjunction with Sport England's 'Developing the Right Sports Hall' (DRSH) main document. They relate to Step 5 'Establishing the Project Brief' and identify the needs of the priority sport and the key secondary sports.

These sheets show the requirements for Badminton as the 'Priority Sport' at various levels of play and other 'Secondary Sports' that can fit into the same overall space. Layouts for $1,2,3,4$ and 5 courts have been included.

|  | Level of Play |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| New Level of Play Category ${ }^{1}$ | International <br> This category relates to the lowest level of International play ${ }^{2}$ | Premier <br> This category relates a Premier / National League Club competing in regional or Inter county competitions | Club <br> This category relates to a local club competing in District and County League competitions | Community <br> This category relates to school and community use where there is no formal competitive structure / no specific need for space for officials or spectator accommodation |
| Badminton equivalent ${ }^{3}$ | International <br> High Performance Centres | Inter-County Championships <br> BADMINTON England Tournament Circuits <br> Premier Club in a Performance Centre | Premier Club in a Community Badminton Network | Recreational Club |

## Commentary

The sports data sheets use the NGB's requirements for the field of play. The additional space requirements for officials are indicated separately as 'optional'. Spectators zones for match play are not included and are assumed to be a site specific requirement. For further details of the requirements for badminton see the Badminton England (BE) website: http://www.badmintonengland.co.uk and the Sport England design guidance note 'Badminton'. For further details of the requirements for 'secondary sports', see Appendix 8 of the main DRSH document for links to other NGB's websites.
${ }^{1}$ New level of play categories for each sport as agreed by the NGBs and Sport England and applicable throughout this document.
${ }^{2}$ For higher levels of international competition, such as major championships, the relevant NGB should be consulted at a very early stage as the requirements vary considerably.
${ }^{3}$ For other sports, see Appendix 4 'Level of play categories for each sport' within main document


Key Issues

- Space above court: No obstructions within a clear height zone above the principal playing area and extending 0.75 m beyond the side lines and 2.0 m beyond the back lines.
- Flooring: Vinyl point elastic over an area elastic base is the preferred playing surface (i.e. a combined-elastic floor). For alternative surfaces and performance criteria, see Table 4 of Sport England's design guidance note on 'Badminton'. Floor sockets to be flush with the floor surface.
- Walls / division curtains / blinds: Backgrounds to be a constant colour and have a light reflectance value (LRV) between 30-50\%.
- Acoustics: Reverberation time to be 1.5-2.0 seconds at mid frequency.
- Lighting: No luminaires permitted above the court and a 2.0 m zone at the back of the court. Luminaires to be positioned centrally above the run offs between the courts Any luminaires in the line of sight of players to be switched off. Windows to be screened off to avoid sun penetration and glare.
- Heating and ventilation: Temperature range $12-20^{\circ} \mathrm{C}$ ( $16^{\circ} \mathrm{C}$ preferred). Air velocities $<0.1 \mathrm{~m} / \mathrm{s}$ or systems capable of being temporarily switched off by players.
Note: For further details see Sport England's design guidance notes 'Badminton', 'Floors for Indoor Sports' and 'Artificial Sports Lighting'.

Developing the Right Sports Hall
Primary Sport

| Badminton - Overview |  | Source of information: |  |  |  |  | http://www.badmintonengland.co.uk http://www.sportengland.org/facilities__planning/design_and_cost_guidance.aspx |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| International | Premier | Overall space (m) incl. R/O |  | Principal playing area (m) |  |  | Run offs (m) R/O |  |  | Additional areas (m) <br> T/O SS |  | Specification |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | $\begin{gathered} L x \\ \mathbf{W} \times \\ H \end{gathered}$ | $\begin{aligned} & \text { 등 } \\ & \text { © } \end{aligned}$ | $\frac{5}{0}$ |  | $\begin{aligned} & \text { ® } \\ & \text { ए } \end{aligned}$ | $\frac{8}{i}$ |  |  |  | $\begin{aligned} & \text { 을 } \\ & \text { 듬 } \\ & \text { 은 } \end{aligned}$ | O <br> ¢ <br> ¢ <br> -7 |
|  |  |  | $\begin{gathered} 17.40 \\ 10.10 \\ 9.00 \end{gathered}$ | 13.40 | 6.10 | 9.00 | 2.00 | 2.00 | Sides: <br> 2.00/3.00 Ends: <br> - 14.00 | Essential | Essential | Combined elastics | $\begin{aligned} & 1000 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |
| Club |  | - | $\begin{gathered} 17.40 \\ 9.10 \\ 9.00 \end{gathered}$ | 13.40 | 6.10 | 9.00 | 2.00 | 1.50 | Sides: <br> 1.50/2.60 Ends: - /4.00 | Optional | Optional | Combined, area or mixed elastics | $\begin{aligned} & 500 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |
|  |  | $\frac{\text { 을 }}{}$ | $\begin{gathered} 17.40 \\ 9.10 \\ 7.50 \end{gathered}$ | 13.40 | 6.10 | 7.50 | 2.00 | 1.50 | Sides: <br> 1.50/2.60 Ends: <br> - /3.00 | Optional | Optional | Combined, area or mixed elastics | $\begin{aligned} & 500 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |
|  |  | ? | $\begin{gathered} 17.40 \\ 9.10 \\ 6.70 \end{gathered}$ | 13.40 | 6.10 | 6.70 | 2.00 | 1.50 | Sides: <br> 1.50/2.40 <br> Ends: <br> - /3.00 | Optional | Optional | Combined, area or mixed elastics | $\begin{aligned} & 500 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |

Developing the Right Sports Hall
Primary Sport


# Developing the Right Sports Hall 

## Badminton-1 Court (cont/d)

Notes of key issues for community level badminton

- See 'Key Issues' on page 1 cover sheet

Secondary Sports
Layouts for other sports within a community badminton space of $17.40 \times 9.10 \times 6.7 \mathrm{~m}$
Netball Basketball Indoor Cricket Volleyball

- cannot be
accommodated in a single
court badminton space

| Volleyball Training | Basketball <br> (transverse) |
| :--- | :--- |

- can be
accommodated in a
single court
badminton space
- number and location
to project specific
requirements

Developing the Right Sports Hall
Primary Sport

| B80¢ | 1ton | Court |  | Source of information: |  |  |  | http://www.badmintonengland.co.uk http://www.sportengland.org/facilities__planning/design_and_cost_guidance.aspx |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Community / Club |  |  |  | Overall $17.40 \times 16.70 \times 6.70 / 7.50$ |  |  |  |  |  |  |  |  |  |  |
| 1500 |  |  |  | incl. R/O | Princip | playing | ea (m) |  | offs <br> R/O |  | Additiona <br> T/O | areas (m) S/S | Specifi | cation |
|  |  | $\xrightarrow{.}$ |  | $\begin{gathered} \mathrm{L} x \\ \mathrm{~W} x \\ \mathrm{H} \end{gathered}$ |  | $\begin{aligned} & \text { 둔 } \\ & \text { § } \end{aligned}$ |  | $\begin{aligned} & \text { ® } \\ & \text { ए } \end{aligned}$ | $\begin{aligned} & \text { 毋 } \\ & \stackrel{0}{0} \\ & \hline \end{aligned}$ |  |  |  | $\begin{aligned} & \text { 은 } \\ & \text { 흠 } \\ & \text { 은 } \end{aligned}$ |  |
|  | 16700 発 |  |  | $\begin{array}{\|c\|} 17.40 \\ 16.70 \\ 6.70 / 7.50 \end{array}$ | 13.40 | 6.10 | $\begin{aligned} & 6.70 \\ & 7.50 \end{aligned}$ | 2.00 | 1.50 | $\begin{aligned} & 1.50 / 2.40 \\ & 1.50 / 2.60 \end{aligned}$ | Optional | Optional | Combined, area or mixed elastics | $\begin{aligned} & 500 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |
| Secondary Sports |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sport | Number | Compliance | Level |  |  |  |  |  |  |  |  |  |  |  |
| Basketball | 0 court format |  | - | $\begin{gathered} 32.10 \\ 19.10 \\ 7.00 \end{gathered}$ | 28.00 | 15.00 | 7.00 | 2.05 | 2.05 | - | - | - | Semi-sprung wooden or synthetic | Same (500 lux) |
| Indoor Cricket | 0 lanes |  | - | $\begin{gathered} 33.62 \\ 12.72 \\ 7.70 \end{gathered}$ | 31.62 | 3.66 | 7.70 | 1.00 | 1.00 | 3.40 for basket ball goal | - | - | Mats req/d (to ECB standards) | Higher (750 lux) |
| Volleyball | 0 court format (lengthways) |  | - | $\begin{gathered} 24.00 \\ 15.00 \\ 7.50 \end{gathered}$ | 18.00 | 9.00 | 7.50 | 3.00 | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | - | - | Area elastic | $\begin{aligned} & \text { Same } \\ & (500 \text { lux }) \end{aligned}$ |
| Volleyball Training | 0 court format (transverse) |  | - | $\begin{gathered} 20.00 \\ 15.00 \\ 7.50 \end{gathered}$ | 18.00 | 9.00 | 7.50 | 1.00 | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | - | - | Area elastic | $\begin{aligned} & \text { Same } \\ & (500 \text { lux }) \end{aligned}$ |
| Basketball Training | Rings on side walls |  | Training | - |  |  |  |  |  |  |  |  |  |  |

# Developing the Right Sports Hall 

## Badminton - 2 Court (cont/d)

Notes of key issues for a two court community / club level badminton space

- See 'Key Issues’ on page 1 cover sheet

Secondary Sports
Layouts for other sports within a two court badminton space of $17.40 \times 16.70 \times 6.70 / 7.50 \mathrm{~m}$
Netball Basketball Indoor Cricket Volleyball

- cannot be
accommodated in a two

|  | Training | Basketbal |
| :---: | :---: | :---: |
|  |  | Training |

court badminton space
accommodated in a two court badminton space

- number and location to project specific requirements

Developing the Right Sports Hall
Primary Sport


## Developing the Right Sports Hall

## Primary Sport / Secondary Sport Issues

## Badminton - 3 Court (cont/d)

Notes of key issues for a three court community / club level badminton space

- See 'Key Issues' on page 1 cover sheet.
- Hatched areas indicate space which is in excess to secondary sport requirements. In some cases, this can provide improved circulation and space for spectators and wheelchair users.
- Community level badminton height of 6.7 m can accommodate volleyball at community level (see below) but with restricted headroom (below 7.5 m required) subject to agreement / conditions of use.


## Secondary Sports

Layouts for other sports within a three court badminton space of $24.30 \times 17.40 \times 6.70 / 7.50 \mathrm{~m}$

## Netball <br> Basketball with restricted headroom subject

- cannot be
accommodated in a three
court badminton space to agreement

Volleyball (Club)


## Volleyball Training (transverse)

- cannot be accommodated in a three court badminton space unless it is made wider and longer


## Basketball

 Training- can be accommodated in a three court badminton space
- number and location to project specific requirements


## Developing the Right Sports Hall

Sports Data Sheets Badminton

## Primary Sport

| B80minton - 4 Court |  |  |  | Source of information: |  |  |  | http://www.badmintonengland.co.uk <br> http://www.sportengland.org/facilities_planning/design_and_cost_guidance.as |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Community / Club / Premier |  |  |  | Overall space (m) incl. R/O | $31.90 \times 17.40 \times 6.70 / 7.50 / 9.00$ |  |  |  |  |  |  |  |  |  |
| $\stackrel{1500}{\ddagger} 6100 \stackrel{1500}{\ddagger} 6100 \stackrel{1500}{\ddagger} 6100 \stackrel{1500}{\ddagger} 6100 \stackrel{1500}{\ddagger}$ |  |  |  |  | Principal playing area (m) |  |  | Run offs (m) R/O |  |  | $$ |  | Specification |  |
| 苦 |  |  |  | $\begin{gathered} \text { L x } \\ \text { W x } \\ H \end{gathered}$ | $\begin{aligned} & \text { 듷 } \\ & \stackrel{\omega}{\top} \end{aligned}$ | $\frac{5}{0}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\square} \\ & \frac{.0}{\overline{0}} \\ & \hline \frac{1}{1} \end{aligned}$ | $\begin{aligned} & \text { ® } \\ & \text { ए } \end{aligned}$ | $\begin{aligned} & \text { 』 } \\ & \stackrel{0}{0} \\ & \hline \end{aligned}$ |  |  |  | 읗 은 |  |
|  | 31900 |  | HNo | $\begin{gathered} 31.90 \\ 17.40 \\ 6.7 / 7.5 / 9.0 \end{gathered}$ | 13.40 | 6.10 | $\begin{aligned} & 6.70 \\ & 7.50 \\ & 9.00 \end{aligned}$ | 2.00 | 1.50 | $\begin{aligned} & 1.50 / 2.40 \\ & 1.50 / 2.60 \end{aligned}$ | Optional | Optional | Combined, area or mixed elastics | $\begin{aligned} & 500 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |
| Secondary Sports |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sport | Number | Compliance | Level |  |  |  |  |  |  |  |  |  |  |  |
| Netball | 0 court format | $N$ | - | $\begin{gathered} 34.50 \\ 18.25 \\ 7.50 \end{gathered}$ | 30.50 | 15.25 | 7.50 | 2.00 | 1.50 | $\begin{gathered} 3.00 / 1 \\ 3.00 \end{gathered}$ | - | - | Any meeting AENA standards | Higher <br> (750 lux) |
| Basketball | 0 court format |  | - | $\begin{gathered} 32.10 \\ 19.10 \\ 7.00 \end{gathered}$ | 28.00 | 15.00 | 7.00 | 2.05 | 2.05 | - | - | - | Semi-sprung wooden or synthetic | Same <br> (500 lux) |
| Indoor Cricket | 0 lanes <br> (However, 2 lanes with ECB - see |  | Community / Club | $\begin{gathered} 33.62 \\ 12.72 \\ 7.70 \\ \hline \end{gathered}$ | 31.62 | 3.66 | 7.70 | 1.00 | 1.00 | 3.40 for basket ball goal | - | - | Mats req/d (to ECB standards) | Higher (750 lux) |
| Volleyball | 1 court format (lengthways) |  | Community <br> / Premier | $\begin{aligned} & \hline 24.0 / 28.0 \\ & 15.0 / 17.0 \\ & 7.50 / 7.50 \end{aligned}$ | 18.00 | 9.00 | 7.50 | $\begin{gathered} 3.00 / \\ 5.00 \end{gathered}$ | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | $\begin{gathered} 2.00 \\ \text { (Premier) } \end{gathered}$ | - | Area elastic | $\begin{aligned} & \text { Same } \\ & (500 \text { lux }) \end{aligned}$ |
| Volleyball Training | 0 court format (transverse) |  | - | $\begin{gathered} 20.00 \\ 15.00 \\ 7.50 \end{gathered}$ | 18.00 | 9.00 | 7.50 | 1.00 | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | - | - | Area elastic | $\begin{aligned} & \text { Same } \\ & (500 \mathrm{lux}) \end{aligned}$ |
| Basketball Training | Rings on side walls |  | Training | - |  |  |  |  |  |  |  |  |  |  |
| March Revision 001 |  |  |  |  | 9 |  |  |  |  |  |  |  | © Sport England 2012 |  |

## Developing the Right Sports Hall

## Sports Data Sheets <br> Badminton

## Primary Sport / Secondary Sport Issues

## Badminton - 4 Court (cont/d)

Notes of key issues for a four court badminton space

- See 'Key Issues’ on page 1 cover sheet
- Hatched areas indicate space which is in excess to secondary sport requirements. In some cases, this can provide improved circulation and space for spectators and wheelchair users.
- The space cannot accommodate a full size 28.0 x 15.0 m basketball court and run off's. However, the rules can allow reduced court and run off sizes - see England Basketball rules.
- Community level badminton height of 6.7 m can accommodate Volleyball at community level (see below) but with restricted headroom (below 7.5 m required) subject to agreement / conditions of use.
- Indoor cricket: A reduced runup length (as indicated below) could be agreed with the ECB on a project by project basis (see ECB TS3 guidance note). However, lighting requirements for indoor cricket exceed those of badminton at community, club and premier levels of play, as indicated. Court space around the nets is
also an important consideration. For instance, 2 lanes with adequate space around for additional safe practice / padding up can be preferable to 4 lanes with insufficient space for safe padding up and other practice.
- The minimum safety margins indicated between the cricket practice nets and walls should be increased if basketball training rings are fitted to the side walls see the ECB TS3 document for further advice on recommended clearances.


## Secondary Sports

Layouts for other sports within a four court badminton space of $31.90 \times 17.40 \times 6.70 / 7.50 / 9.00 \mathrm{~m}$

## Netball

- cannot be accommodated in a four court badminton space, unless it is made wider and longer

Basketball Indoor Cricket (see note above)


## Volleyball Training

 (transverse)- cannot be accommodated in a four court badminton space, unless it is made wider


## Basketball Training

- can be
accommodated in a four court badminton space
- number and location to project specific requirements

Developing the Right Sports Hall
Primary Sport

| B80minton - 4 Court (int) |  |  |  | Source of information: |  |  |  | http://www.badmintonengland.co.uk http://www.sportengland.org/facilities_planning/design_and_cost_guidance.aspx |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| International |  |  |  | Overall space (m) incl. R/O | $34.40 \times 17.40 \times 9.00$ |  |  |  |  |  |  |  |  |  |
| $\stackrel{2000}{\leftarrow} 6100 \overbrace{t}^{2000} 6100 \overbrace{t}^{2000} 6100 \overbrace{t}^{2000} 6100 \overbrace{t}^{2000}$ |  |  |  |  | Principal playing area (m) |  |  | Run offs (m) R/O |  |  | Additional areas (m) <br> T/O S/S |  | Specification |  |
|  |  |  |  | $\begin{gathered} L x \\ W x \\ H \end{gathered}$ | $\begin{aligned} & \text { 등 } \\ & \text { © } \end{aligned}$ | $\begin{aligned} & \frac{5}{0} \\ & i>3 \end{aligned}$ | $\begin{aligned} & \stackrel{\rightharpoonup}{\square} \\ & \frac{\text { O}}{\bar{\top}} \end{aligned}$ | $\stackrel{\text { ® }}{\underset{\sim}{\square}}$ | $\begin{aligned} & \infty \\ & \stackrel{0}{0} \\ & \hline \end{aligned}$ |  |  |  | $\begin{aligned} & \text { 은 } \\ & \text { 흔 } \\ & \text { 은 } \end{aligned}$ |  |
|  | 34400 |  | $\xrightarrow{H}$ | $\begin{gathered} 34.40 \\ 17.40 \\ 9.00 \end{gathered}$ | 13.40 | 6.10 | 9.00 | 2.00 | 2.00 | 2.00/3.00 | Essential | Essential | Combined elastics | $\begin{aligned} & 1000 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |
| Secondary Sports |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sport | Number | Compliance | Level |  |  |  |  |  |  |  |  |  |  |  |
| Netball | 0 court format | $\cdots$ | - | $\begin{gathered} 34.50 \\ 18.25 \\ 7.50 \end{gathered}$ | 30.50 | 15.25 | 7.50 | 2.00 | 1.50 | $\begin{gathered} 3.00 / \\ 3.00 \end{gathered}$ | - | - | Any meeting AENA standards | Lower <br> (750 lux) |
| Basketball | 0 court format | $\cdots$ | - | $\begin{gathered} 32.10 \\ 19.10 \\ 7.00 \end{gathered}$ | 28.00 | 15.00 | 7.00 | 2.05 | 2.05 | - | - | - | Semi-sprung wooden or synthetic | Lower (500 lux) |
| Indoor Cricket | 2 lanes |  | Community / Club | $\begin{gathered} 33.62 \\ 12.72 \\ 7.70 \end{gathered}$ | 31.62 | 3.66 | 7.70 | 1.00 | 1.00 | 3.40 for basket ball goal | - | - | Mats req/d (to ECB standards) | $\begin{aligned} & \text { Lower } \\ & \text { (750 lux) } \end{aligned}$ |
| Volleyball | 1 court format (lengthways) |  | Premier | $\begin{gathered} 28.00 \\ 17.00 \\ 7.50 \end{gathered}$ | 18.00 | 9.00 | 7.50 | 5.00 | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | 2.00 | - | Area elastic | Lower <br> (500 lux) |
| Volleyball Training | 0 court format (transverse) |  | - | $\begin{gathered} 20.00 \\ 15.00 \\ 7.50 \end{gathered}$ | 18.00 | 9.00 | 7.50 | 1.00 | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | N/A | N/A | Area elastic | Lower (500 lux) |
| Basketball Training | Rings on side walls |  | Training | - |  |  |  |  |  |  |  |  |  |  |
| March Revision 001 |  |  |  |  | 11 |  |  |  |  |  |  |  | © Sport England 2012 |  |

## Developing the Right Sports Hall

## Sports Data Sheets <br> Badminton

## Primary Sport / Secondary Sport Issues

## Badminton - 4 Court International (cont/d)

Notes of key issues for a four court international badminton space

- See 'Key Issues’ on page 1 cover sheet.
- Hatched areas indicate space which is in excess to secondary sport requirements. In some cases, this can provide improved circulation and space for spectators and wheelchair users.
- For competition play, no allowance has been made for any officials beyond the end run off zones.
- The space cannot accommodate a full size $28.0 \times$ 15.0 m basketball court and run off's. However, the
rules can allow reduced court and run off sizes - see England Basketball rules.
- The 17.4 m width accommodates two indoor cricket lanes with a clear central zone for potential basketball goals. (See ECB TS3 document pages 6 and 7 for criteria). Court space around the nets is also an important consideration. For instance, 2 lanes with adequate space around for additional safe practice / padding up can be preferable to 4 lanes with insufficient space for safe padding up and other practice.
- The minimum safety margins indicated between the cricket practice nets and walls should be increased if basketball training rings are fitted to the side walls see the ECB TS3 document for further advice on recommended clearances.


## Secondary Sports

Layouts for other sports within a four court international badminton space of $34.40 \times 17.40 \times 9.00 \mathrm{~m}$

## Netball <br> Basketball

- cannot be accommodated in
a four court international badminton space, unless it is made wider and longer
- see note above

Volleyball (Premier)


## Volleyball Training

 (transverse)- cannot be
accommodated in a
four court
international
badminton space,
unless it is made wider


## Basketball Training

- can be accommodated in a four court international badminton space - number and location to project specific requirements

Developing the Right Sports Hall
Primary Sport

| B80minton - 5 Court |  |  |  | Source of information: |  |  |  | http://www.badmintonengland.co.uk http://www.sportengland.org/facilities__planning/design_and_cost_guidance.aspx |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Community / Club / Premier |  |  |  | Overall space (m) incl. R/O | $39.50 \times 17.40 \times 6.70 / 7.50 / 9.00$ |  |  |  |  |  |  |  |  |  |
| $\stackrel{1500}{\ddagger} 6100 \overbrace{T}^{1500} 6100 \overbrace{T}^{1500} 6100 \overbrace{T}^{1500} 6100 \overbrace{T}^{1500} 6100 \overbrace{T}^{1500}$ |  |  |  |  | Principal playing area (m) |  |  | Run offs (m) R/O |  |  | Additional areas (m) T/O S/S |  | Specification |  |
|  |  |  | $78$ $\vec{\otimes}$ | $\begin{gathered} \mathbf{L x} \\ \mathbf{W} x \\ H \end{gathered}$ | $\begin{aligned} & \text { 듷 } \\ & \stackrel{\omega}{\top} \end{aligned}$ | $\frac{5}{\frac{5}{0}}$ |  | $\begin{aligned} & \text { n } \\ & \text { ய } \end{aligned}$ | $\begin{aligned} & \stackrel{0}{0} \\ & \stackrel{0}{\infty} \end{aligned}$ |  |  |  | 읓 은 |  |
|  | 39500 |  |  | $\begin{gathered} 39.50 \\ 17.40 \\ 6.7 / 7.5 / 9.0 \end{gathered}$ | 13.40 | 6.10 | $\begin{aligned} & 6.70 \\ & 7.50 \\ & 9.00 \end{aligned}$ | 2.00 | 1.50 | $\begin{aligned} & 1.50 / 2.40 \\ & 1.50 / 2.60 \end{aligned}$ | Optional | Optional | Combined, area or mixed elastics | $\begin{aligned} & 500 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |
| Secondary Sports |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sport | Number | Compliance | Level |  |  |  |  |  |  |  |  |  |  |  |
| Netball | 0 court format | 2 | - | $\begin{gathered} 34.50 \\ 18.25 \\ 7.50 \end{gathered}$ | 30.50 | 15.25 | 7.50 | 2.00 | 1.50 | $\begin{gathered} 3.00 / \\ 3.00 \end{gathered}$ | - | - | Any meeting AENA standards | Higher (750 lux) |
| Basketball | 0 court format |  | - | $\begin{gathered} 32.10 \\ 19.10 \\ 7.00 \end{gathered}$ | 28.00 | 15.00 | 7.00 | 2.05 | 2.05 | - | - | - | Semi-sprung wooden or synthetic | Same <br> (500 lux) |
| Indoor Cricket | 2 lanes |  | Community / Club | $\begin{gathered} 33.62 \\ 12.72 \\ 7.70 \end{gathered}$ | 31.62 | 3.66 | 7.70 | 1.00 | 1.00 | 3.40 for basket ball goal | - | - | Mats req/d (to ECB standards) | Higher (750 lux) |
| Volleyball | 1 court format (lengthways) |  | Community <br> / Premier | $\begin{aligned} & 24.0 / 28.0 \\ & 15.0 / 17.0 \\ & 7.50 / 7.50 \end{aligned}$ | 18.00 | 9.00 | 7.50 | $\begin{gathered} 3.00 / \\ 5.00 \end{gathered}$ | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | $\begin{gathered} 2.00 \\ \text { (Club) } \end{gathered}$ | - | Area elastic | Same <br> (500 lux) |
| Volleyball Training | 0 court format (transverse) |  | - | $\begin{gathered} 20.00 \\ 15.00 \\ 7.50 \end{gathered}$ | 18.00 | 9.00 | 7.50 | 1.00 | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | N/A | N/A | Area elastic | Same <br> (500 lux) |
| Basketball Training | Rings on side walls |  | Training | - |  |  |  |  |  |  |  |  |  |  |
| March Revision 001 |  |  |  |  | 13 |  |  |  |  |  |  |  | © Sport England 2012 |  |

## Developing the Right Sports Hall

## Primary Sport / Secondary Sport Issues

## Badminton - 5 Court (cont/d)

Notes of key issues for a five court badminton space

- See ‘Key Issues’ on page 1 cover sheet
- Hatched areas indicate space which is in excess to secondary sport requirements. In some cases, this can provide improved circulation and space for spectators and wheelchair users.
- The space cannot accommodate a full size 28.0 x 15.0 m basketball court and run off's. However, the rules can allow reduced court and run off sizes - see England Basketball rules.
- Community level badminton height of 6.7 m can accommodate volleyball at community level (see below) but with restricted headroom (below 7.0 m required) subject to agreement / conditions of use.
- The 17.4 m width accommodates two indoor cricket lanes with a clear central zone for potential basketball goals. (See ECB TS3 document pages 6 and 7 for criteria). However, lighting requirements for indoor cricket exceed those of badminton at community, club and premier levels of play, as indicated. Court space


## Sports Data Sheets <br> Badminton

## Secondary Sports

Layouts for other sports within a five court badminton space of $39.50 \times 17.40 \times 6.70 / 7.50 / 9.00 \mathrm{~m}$


Volleyball Training (transverse)

- cannot be accommodated in a five court badminton space, unless it is made wider


## Basketball Training

- can be accommodated in a five court badminton space
- number and location to project specific requirements

Developing the Right Sports Hall
Primary Sport

| B80ninton - 5 court (lint) |  |  |  | Source of information: |  |  |  | http://www.badmintonengland.co.uk http://www.sportengland.org/facilities_planning/design_and_cost_guidance.aspx |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| International |  |  |  | Overall space (m) incl. R/O | $42.50 \times 17.40 \times 9.00$ |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | Principal playing area (m) |  |  | Run offs (m) R/O |  |  | Additional areas (m) T/O S/S |  | Specification |  |
|  |  |  |  | $\begin{gathered} L x \\ W \times \\ H \end{gathered}$ | $\begin{aligned} & \text { 등 } \\ & \stackrel{\rightharpoonup}{\top} \end{aligned}$ | $\frac{F}{5}$ |  | $\begin{aligned} & \stackrel{\text { ® }}{\underset{\sim}{4}} \end{aligned}$ | $\begin{aligned} & \frac{\pi}{0} \\ & \stackrel{0}{0} \end{aligned}$ |  |  |  | $\begin{aligned} & \text { 을 } \\ & \text { 흔 } \\ & \text { 은 } \end{aligned}$ |  |
|  | 42500 |  | - N | $\begin{gathered} 42.50 \\ 17.40 \\ 9.00 \end{gathered}$ | 13.40 | 6.10 | 9.00 | 2.00 | 2.00 | 2.00/3.00 | Essential | Essential | Combined elastics | $\begin{aligned} & 1000 \text { lux } \\ & 0.7 \text { Emin / } \\ & \text { eav } \end{aligned}$ |
| Secondary Sports |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sport | Number | Compliance | Level |  |  |  |  |  |  |  |  |  |  |  |
| Netball | 0 court format | 2 | - | $\begin{gathered} 34.50 \\ 18.25 \\ 7.50 \end{gathered}$ | 30.50 | 15.25 | 7.50 | 2.00 | 1.50 | $\begin{gathered} 3.00 / \\ 3.00 \end{gathered}$ | - | - | Any meeting AENA standards | Lower (750 lux) |
| Basketball | 0 court format |  | - | $\begin{gathered} 32.10 \\ 19.10 \\ 7.00 \end{gathered}$ | 28.00 | 15.00 | 7.00 | 2.05 | 2.05 | - | - | - | Semi-sprung wooden or synthetic | Lower (500 lux) |
| Indoor Cricket | 2 lanes |  | Community / Club | $\begin{gathered} 33.62 \\ 12.72 \\ 7.70 \end{gathered}$ | 31.62 | 3.66 | 7.70 | 1.00 | 1.00 | 3.40 for basket ball goal | - | - | Mats req/d (to ECB standards) | Lower (750 lux) |
| Volleyball | 1 court format (lengthways) |  | Premier | $\begin{gathered} 28.00 \\ 17.00 \\ 7.50 \end{gathered}$ | 18.00 | 9.00 | 7.50 | 5.00 | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | 2.00 | - | Area elastic | Lower (500 lux) |
| Volleyball Training | 0 court format (transverse) |  | - | $\begin{gathered} 20.00 \\ 15.00 \\ 7.50 \end{gathered}$ | 18.00 | 9.00 | 7.50 | 1.00 | 3.00 | $\begin{gathered} 6.00 / \\ 6.00 \end{gathered}$ | N/A | N/A | Area elastic | Lower (500 lux) |
| Basketball Training | Rings on side walls |  | Training | - |  |  |  |  |  |  |  |  |  |  |
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## Developing the Right Sports Hall

## Sports Data Sheets <br> Badminton

## Primary Sport / Secondary Sport Issues

## Badminton - 5 Court International (cont/d)

Notes of key issues for a five court international badminton space

- See 'Key Issues’ on page 1 cover sheet.
- Hatched areas indicate space which is excess to secondary sport requirements. In some cases, this can provide improved circulation and space for spectators and wheelchair users.
- For competition play, no allowance has been made for any officials beyond the end run off zones.
- The space cannot accommodate a full size 28.0 x 15.0 m basketball court and run off's. However the
rules can allow reduced court and run off sizes - see England Basketball rules.
- The 17.4 m width accommodates two indoor cricket lanes with a clear central zone for potential basketball goals. (See ECB TS3 document pages 6 and 7 for criteria). Court space around the nets is also an important consideration. For instance, 2 lanes with adequate space around for additional safe practice / padding up can be preferable to 4 lanes with insufficient space for safe padding up and other practice.
- The minimum safety margins indicated between the cricket practice nets and walls should be increased if basketball training rings are fitted to the side walls see the ECB TS3 document for further advice on recommended clearances.


## Secondary Sports

Layouts for other sports within a five court international badminton space of $42.50 \times 17.40 \times 9.00 \mathrm{~m}$

## Netball <br> Basketball <br> Indoor Cricket

- cannot be accommodated in a five court international badminton space, unless it
is made wider
- see note above
- 



## Volleyball Training

 (transverse)- cannot be
accommodated in a five court international badminton space, unless it is made wider


## Basketball Training

- can be accommodated in a five court international badminton space
- number and location to project specific requirements

