

Spring 2014 Newsletter

Design & Cost Guidance

INTRODUCTION

The aim of the Design and Cost Guidance Documents is to provide clear, concise and up-to-date information for a variety of facility types for a wide range of sports. These are regularly reviewed in conjunction with our partners from the governing bodies of sport and industry and are updated on a priority basis. All our guidance is available free to download.

For comment on any of the individual documents please email dgqueries@sportengland.org. Whilst we are unable to respond to individual comments or requests, they are reviewed for incorporation into FAQs or future issues of documents.

For more information

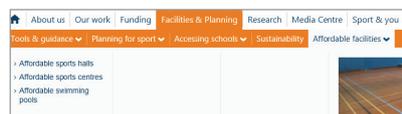
<http://www.sportengland.org>



LATEST NEWS UPDATE

New changes to our website

Our re-vamped website has additional features for improved navigation as well as a new look. In the new 'Facilities & Planning' section, the 'Design and Cost Guidance' section can be found within 'Tools & Guidance', and is now supplemented by a new 'Affordable Facilities' section.



Design & Cost Guidance Consultancy Framework Appointments

Following the recent tender for consultant services, Sport England have made multiple framework appointments to continue the ongoing development of industry standards and sports facility guidance. These cover four areas of expertise including design, technical assurance, environmental sustainability and artificial sports surfaces.

RECENTLY UPDATED GUIDANCE

We have recently published a number of updated Design Guidance Notes and other documents on our website:

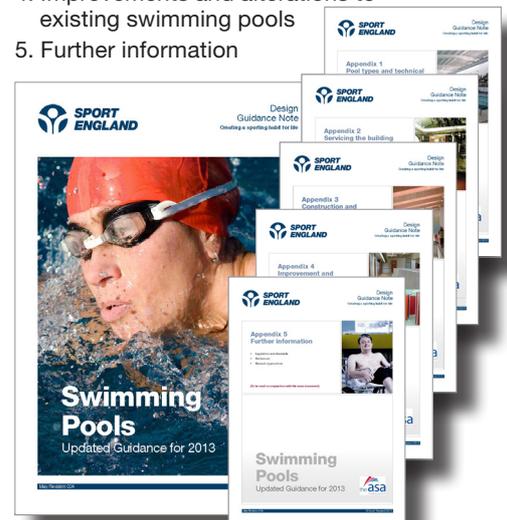
Artificial Surfaces for Outdoor Sport Design Guidance Note

The 2013 revision includes updated layouts for multi use games areas (MUGAs) in line with the latest Football Association (FA) and other National Governing Bodies for sport (NGBs) guidance. These are now also available as separate downloadable plan layouts.

Swimming Pools Design Guidance Note

This updated and reformatted 2013 revision covers the principles of good swimming pool design in a shorter main document with more detailed matters in separate appendices covering:

1. Pool types and technical design issues
2. Servicing the building
3. Construction and specification considerations
4. Improvements and alterations to existing swimming pools
5. Further information



Other new items include additional notes on changing room calculations, further explanation of safety standards for non-swimming areas and new diagrams on Amateur Swimming Association (ASA) / Federation Internationale de Natation Amateur (FINA) certification for competition pools. Advice on low/zero carbon techniques, reduced water consumption and references to Pool Water Treatment Advisory Group (PWTAG) standards has also been updated.

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Designing for PE and Sport – School Sites

This new information (located in the 'Other Design Guidance' section of our website) replaces the previous 'Designing for Sport on School Sites' guidance. It is an easy-to-use check list for everybody involved in school building programmes.



It can ensure that new or improved PE and sports facilities have the right dimensions and specifications and are suitable for their intended use. Such facilities can help pupils and communities across the country 'create a sporting habit for life' and foster success at higher levels.

NEW GUIDANCE RECENTLY HOSTED

Affordable Sports Centres

Following our *Affordable Community Swimming Pools* and *Affordable Sports Halls* reviews, this new information is intended to provide essential reference for new sports centre projects at the early briefing and design stages. It has a particular focus on affordability and



financial sustainability and includes a range of indicative designs combining a sports hall, swimming pool(s) and options for health and fitness facilities. The layouts are tightly planned, functionally efficient and accommodated within an economical building structure that can be quickly constructed.

Wayfinding and Signage Design Guidance Note



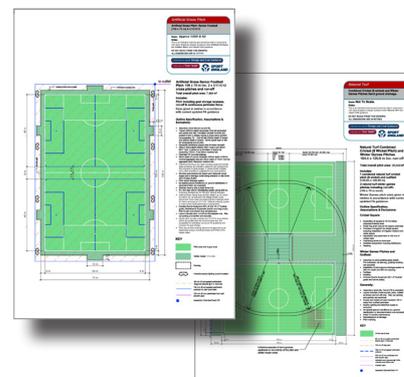
This new guidance covers the principles of good wayfinding and signage for community sports centres. It encourages a strategic approach at the early design stages of projects in order to create user friendly and easily operated sport facilities. Two examples are provided that can be used as templates for the development of appropriate solutions for individual projects.

Flood Guidance Information Sheets

Sport England, working with a number of National Governing Bodies for sport (The FA, Rugby Football Union (RFU), Rugby Football League (RFL), England and Wales Cricket Board (ECB), Lawn Tennis Association (LTA) and England Hockey Board (EHB)), has produced a set of information sheets and a downloadable template for clubs and facility managers to help them find out whether their facilities are at risk of flooding and if so how to develop a flood plan and other strategies that will help reduce the impact of flooding.



Artificial Grass and Natural Turf Pitch Layouts



Downloadable layouts and outline specifications for artificial grass and natural turf pitches covering a range of sports are now available. They comply with current standards for sports facilities and updated NGB requirements. They also support the updated Capital Facility Costs (see below).

Capital Facility Costs 4Q 2013

Updated costs are available in the 'Facilities & Planning - Cost Guidance' section of our website. These cover a range of indoor and outdoor sports facility options including those in the 'Affordable Facilities' document suite.

Briefing Note: Artificial Surfaces for Outdoor Sport

This new briefing note supplements the Artificial Surfaces for Outdoor Sport Design Guidance Note with an overview of the key issues including the categories of artificial grass pitches, sporting standards and recommendations for professional support.

Briefing Note: Flat Green Bowls

This briefing note provides advice on when an artificial green may need re-surfacing or replacement, performance standards, construction and scope of work, available surfaces, certification, budget examples, and post installation maintenance.

Briefing Note: Modular Buildings

We continue to strive to develop high quality and cost effective buildings for community sport. This note includes two prototype turn key modular changing and club room units built by Sport England *Innovative & Modular Framework Contractors*. They explore and develop the potential benefits of using off-site fabrication which meets the standards set out within Sport England's Design Guidance Notes.

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Briefing Note: Recycling of Artificial Grass Carpets

This new information provides advice on artificial grass carpet life expectancy, removal, disposal, potential re-use for sports applications and new innovations in recycling machinery.

Case Studies

We have produced a number of studies that we hope you find useful as comparison in your research. These can be found under the respective sections of the *Design & Cost Guidance* section of the website. Recent additions to our list include:

Morpeth, Northumberland - The King Edward VI School Athletics Track

The affordability of this new athletics track built on a sloping site depended on a construction approach involving ground stabilisation. It accommodates a six-lane running track, all field events, long/triple jump, pole vault and shot put.

London - Clapham Leisure Centre

The centre itself replaced an ageing 1920s leisure complex, and provides up-to-date facilities that are tailored to the needs of the local community. The facilities include a 6-lane 25 m pool (with boom and movable floor), secondary pool (with movable floor), spectator seating, 4-court sports hall, fitness suite, exercise studios, junior climbing wall and café.

London - Coram's Fields

Situated within a unique seven acre playground and park, this project involved the modernisation of a 'Third Generation' (3G) artificial grass pitch (AGP) with markings for three transverse mini-soccer pitches.

London - Ravenscourt Park

Within the parks' 13 hectares of open space, new basketball and netball facilities have been constructed around a mature tree together with seating for spectators and participants. It features a reversible basketball and netball goal. A tree root protection system has also been incorporated.

Surrey - Godalming Leisure Centre

This new 'wet' and 'dry' leisure facility has a striking external appearance and is energy efficient, well organised and financially sustainable.

Wakefield, West Yorkshire - Sun Lane Leisure Centre

This new-build project provides state-of-the-art community sport and leisure facilities that cater for the needs of a 21st century, multi-cultural society. Features include a 6-lane 25 m swimming pool with a movable floor running along its length.

.....More Facility Case Studies are under development and will be available shortly.

Procurement toolkit

Sport England has published a toolkit and guidance on leisure contracts and procurement. Developed in partnership with the sector, the focus is to assist client bodies (for example, local authorities) adopt good practice, reduce cost and time in the process and to achieve contract partnerships which can deliver local outcomes.

See <http://www.sportengland.org/facilities-planning/tools-guidance/procurement-toolkit/>

LED Lighting at Lilleshall

A new light-emitting diode (LED) lighting scheme has been installed in Wenlock Hall in 2013. This is a pilot energy saving scheme supported by Sport England.

The scheme is now being monitored in terms of quality of lighting for sports users and energy consumption. The results will help shape future guidance on affordable sports hall lighting and the way forward for LED lighting.

PPF agronomy projects

Sport England continues to fund natural grass improvement projects through *Protecting Playing Fields* funding. To date this is in the order of 250 projects with Consultancy delivery by the four Agronomy Consultants on Sport England's Framework. A standard approach to Design services has been adopted by all four on the framework.

See [http://www.sportengland.org/facilities-planning/tools-guidance/framework-agreements/framework-consultants-\(agronomy\)/natural-grass-pitches/](http://www.sportengland.org/facilities-planning/tools-guidance/framework-agreements/framework-consultants-(agronomy)/natural-grass-pitches/)



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FUTURE UPDATES AND NEW GUIDANCE IN PREPARATION

We continue to review and update our existing Design Guidance Notes and other documents. We supplement the existing advice in the format of a series of 'Frequently Asked Questions'.

Updates to be released shortly include:

Developing the Right Swimming Pool (NEW)

This new guidance is being developed jointly by Sport England and the Amateur Swimming Association (ASA). It will help providers to make strategic decisions about pool provision either for an individual facility or across a wide geographical area by working through an 8 Step Process. Any organisation can use this process to allow a sound business decision on a range of options and establish a clear 'Statement of Requirements' to enable delivery of their sports development requirements.

Affordable Community 50m Pools - Sports Centres (IN CONSULTATION)

Following our *Affordable Community Swimming Pools* and *Affordable Sports Centres* reviews, this new information is intended to provide an essential reference for new 50m pool projects at the early briefing and design stages. It has a particular focus on affordability and financial sustainability through programming and a mix of other sports facilities.

The work will include an introductory brochure, drawings (plans, elevations and sections), specifications, costing / life cycle modelling and operational costs.

Selecting the Right Artificial Surface (UPDATE)

Following the hosting of this document on our website in late 2010, Sport England has continued consultation with the national governing bodies (NGBs) for Hockey, Football, Rugby Union and Rugby League regarding further developments in artificial grass pitches (AGPs). An update of 'Selecting the Right Artificial Surface' is under preparation and will include new information on The Planning Process, Playing Field Policy, Playing Pitch Strategies, Resurfacing and Conversion of Existing AGPs to 5-a-side, and a new 5 Step Process. New Appendices will also include an Example Brief, Example Business Plan Toolkits, Playing Pitch Strategy (PPS) Status, Case Studies, and Performance Level of Pitch.

Pavilions and Clubhouses Design Guidance Note (UPDATE)

The existing Design Guidance Note is being updated and reformatted. It will incorporate the most recent developments in Sport England / NGB guidance and other statutory requirements. Additional information will include low cost design approaches, vandal resistance, project planning guidance, modular construction (see new Modular Buildings Briefing Note and downloadable typical facility plans, elevations, sections and costs) environmental & sustainability issues, and operational and maintenance issues.

Briefing Note: Wind Turbines (NEW)

This briefing note provides guidelines for a Sports Impact Assessment (SIA) that should be undertaken for wind turbine projects that are in the proximity of external sports facilities. In addition to Environmental Impact Assessments (EIAs), it discusses sports related risk assessments, visual distraction, planning processes and maintenance access issues. It also includes diagrammatic examples of location principles and players' sightlines in relation to varying wind turbine locations.

Sports Data Sheets (NEW)

To supplement the Sports Data Sheets currently on our website for *Badminton*, *Basketball*, *Netball*, *Indoor Cricket* and *Volleyball*, additional sheets are under preparation for *Handball*, *Indoor Hockey*, *Wheelchair Basketball*, *Wheelchair Rugby* and *Table Tennis*. These sheets are intended to be used in conjunction with our 'Developing the Right Sports Hall' (DRSH) document. They relate to Step 5 'Establishing the Project Brief' and identify the needs of the priority sport and the key secondary sports. They show the requirements for the priority sport at various levels of play and other secondary sports that can fit into the same overall space.

Additionally, sheets for *Outdoor Netball* for open or covered outdoor facilities are also under preparation for which Step 5 of DRSH can be equally applied.

Compact Athletics Concept

Sport England has been working with England Athletics to develop design concepts for 'run', 'jump' and 'throw'. These could be provided in smaller spaces either as dedicated facilities or as multi-sport offers. The concepts are being applied to pilot projects to assess

how they can enhance the introduction and delivery of the basic principles of athletics. They are aimed at both school curriculum and community sport.

With funding from Sport England, England Athletics and the London Marathon Trust, and the support of UK Athletics (UKA), the first new facility at Stoke Newington School has now been completed. It will give both school children and the local community more opportunities to take part in athletics.

See <http://www.sportengland.org/media-centre/news/2013/september/23/world-champ-launches-new-compact-athletics-facility/>



Click here for 'User Guide'