

Higher National Unit Specification

General information for centres

Unit title: Operational Technologies in Sport and Recreation Facility Management

Unit code: DP28 35

Unit purpose: This Unit introduces candidates to the functions that technology performs within daily sport and recreation operations.

On completion of the Unit the candidate should be able to:

1. Identify and describe administrative and communications technologies operational within sport and recreation facility management.
2. Identify and describe security technologies and health and safety technologies operational within sport and recreation facility management.
3. Identify and describe sport and recreation service technologies operational within sport and recreation facility management.
4. Research and report on contemporary usage of indoor technology within sport and recreation

Credit points and level: 1 HN Credit at SCQF level 8: (8 SCQF credit points at SCQF level 8*)

**SCQF credit points are used to allocate credit to qualifications in the Scottish Credit and Qualifications Framework (SCQF). Each qualification in the Framework is allocated a number of SCQF credit points at an SCQF level. There are 12 SCQF levels, ranging from Access 1 to Doctorates.*

Recommended prior knowledge and skills: Candidates should have an interest in sport and recreation and possess good written and oral communication skills. An understanding or experience of sport and recreation facility operations would be beneficial. Other knowledge, skills or experience relevant to the Unit would also be beneficial. Entry is at the discretion of the centre.

Core skills: There may be opportunities to gather evidence towards core skills in this Unit, although there is no automatic certification of core skills or core skills components.

Context for delivery: If this Unit is delivered as part of a group award, it is recommended that it should be taught and assessed within the subject area of the group award to which it contributes.

Assessment: It is suggested that this Unit could be assessed with an integrated extended response assessment covering Outcomes 1–3. Outcome 4 could be assessed with a research project or case study based upon the skills in the previous Outcomes.

Higher National Unit specification: statement of standards

Unit title: Operational Technologies in Sport and Recreation Facility Management

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The sections of the Unit stating the Outcomes, knowledge and/or skills, and evidence requirements are mandatory.

(If you think holistic assessment is the best assessment strategy for the Unit and you wish to state *Knowledge and/or Skills* and *Evidence requirements* for the Unit as a whole, please add the following statement here: ‘Please refer to *Knowledge and/or skills for the Unit* and *Evidence requirements for the Unit* after the Outcomes.’)

Where evidence for Outcomes is assessed on a sample basis, the whole of the content listed in the knowledge and/or skills section must be taught and available for assessment. Candidates should not know in advance the items on which they will be assessed and different items should be sampled on each assessment occasion.

Outcome 1

Identify and describe administrative and communications technologies operational within sport and recreation facility management.

Knowledge and/or skills

- ◆ Administrative technologies
- ◆ Communication technologies

Evidence requirements

Candidates will need to provide evidence to demonstrate their knowledge and/or skills by showing that they can:

- ◆ identify and describe at least three functions and at least three benefits of one administrative technology currently in use within sport and recreation facility operations
- ◆ identify and describe at least three functions and at least three benefits of one communications technology currently in use within sport and recreation facility operations

Assessment guidelines

An integrated and holistic approach is recommended for Outcomes 1–3. A submission of approximately 1,500 words is likely to address the full evidence requirements for these Outcomes. However, it would remain possible to cover each Outcome separately with a similar total length of submission or submissions.

Higher National Unit specification: statement of standards (cont)

Unit title: Operational Technologies in Sport and Recreation Facility Management

Outcome 2

Identify and describe Security technologies and Health and safety technologies operational within sport and recreation facility management.

Knowledge and/or skills

- ◆ Security technologies
- ◆ Health and safety technologies

Evidence requirements

- ◆ identify and describe at least three functions and at least three benefits of one security technology currently in use within sport and recreation facility operations
- ◆ identify and describe at least three functions and at least three benefits of one health and safety technology currently in use within sport and recreation facility operations

Assessment guidelines

An integrated and holistic approach is recommended for Outcomes 1–3. A submission of approximately 1,500 words is likely to address the full evidence requirements for these Outcomes.

However, it would remain possible to cover each Outcome separately with a similar total length of submission or submissions.

Outcome 3

Identify and describe sport and recreation service technologies operational within sport and recreation facility management.

Knowledge and/or skills

- ◆ Sport and recreation service technologies

Evidence requirements

- ◆ identify and describe at least three functions and at least three benefits of one sport and recreation service technology currently in use within sport and recreation facility operations

Assessment guidelines

An integrated and holistic approach is recommended for Outcomes 1–3. A submission of approximately 1,500 words is likely to address the full evidence requirements for these Outcomes. However, it would remain possible to cover each Outcome separately with a similar total length of submission or submissions.

Higher National Unit specification: statement of standards (cont)

Unit title: Operational Technologies in Sport and Recreation Facility Management

Outcome 4

Research and report on contemporary usage of indoor technology within sport and recreation facility operations.

Knowledge and/or skills

- ◆ Administrative technologies
- ◆ Communications technologies
- ◆ Health and safety technologies
- ◆ Security technologies
- ◆ Sport and recreation service technologies

Evidence requirements

Candidates will need evidence to demonstrate their skills and/or knowledge by showing that they can:

- ◆ research and analyse at least two different examples of current case studies/reports on any of the following technologies: Administrative, Communications, Health and safety, Security and Sport and recreation service operations
- ◆ report on the impact that these technologies have on the provision of sport and recreation services in terms of financial effectiveness, operational efficiency and/or customer turnover

Assessment guidelines

The research report should take the form of a case study which can either be live based or paper based.

At least two of the technologies in the *knowledge and/or skills* section of this Outcome must be covered and research into these technologies should concern the impact that the selected technology has on facility operations.

It is recommended that this Outcome be assessed with a research report of approximately 1,500 words, or approximately 500–750 words for each example technology researched.

The support notes contains examples of websites that can be researched for current and relevant information regarding this Outcomes assessment.

Administrative Information

Unit code:	DP28 35
Unit title:	Operational Technologies in Sport and Recreation Facility Management
Superclass category:	AE
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Higher National Unit specification: support notes

Unit title: Operational Technologies in Sport and Recreation Facility Management

This part of the Unit specification is offered as guidance. The support notes are not mandatory.

While the exact time allocated to this Unit is at the discretion of the centre, the notional design length is 40 hours.

Guidance on the content and context for this Unit

Outcomes 1-4: the following are suggestions of technologies which can be studied and researched. However, due to the dynamic nature of technology, there should be always be consideration for new innovations in technology. Therefore, this list is not exhaustive.

Administrative technologies: These are technologies designed to improve the efficiency and effectiveness of the office/clerical operation within sport and recreation provision. For example: Booking Systems, Membership systems, Stock Control systems, payroll systems, Service programming systems.

Communications technologies: Technologies designed to improve communications between staff, customers and/or outside agencies. For example: Two way radio systems, Internet/intranet and email, PA systems,

Health and safety technologies: Technologies that are designed to ensure the Health and Safety of customers and staff alike and to minimize risk. For example: Queue management systems, Capacity Management systems, Emergency and evacuation systems, Life Saving technology.

Security technologies: Technologies designed to protect facilities and its users, to reduce various criminal acts and act as a deterrent. For example: CCTV systems, Building Security systems, ID card systems.

Sport and recreation service technologies: These are specialised technologies, designed for the provision of a specific service which therefore demands specially training/equipment. For example: Pool plant systems, Gym suites, Grounds/Green keeping systems, Ice Rink maintenance systems

Guidance on the delivery and assessment of this Unit

There is a natural progression through the Outcomes in this Unit. In delivering the Unit it will be possible and desirable to stress the progression between the separate Outcomes.

Ideally, candidates should progress through Outcomes 1–4 in that order, as each Outcome represents a clearly defined stage in the learning process. However, the order in which Outcomes 1–3 may be studied can be varied as long as these Outcomes are studied prior to progressing onto Outcome 4.

Higher National Unit specification: support notes (cont)

Unit title: Operational Technologies in Sport and Recreation Facility Management

The holistic approach to Outcomes 1–3 can be covered by a single extended response question. The word count for this assessment should be approximately 1,500 words. An example of this question could be:

*“Identify and describe three functions and three benefits of technology systems currently used in sport and recreation facility operations in **each** of the following areas:*

- ◆ *Administration*
- ◆ *Communication*
- ◆ *Health and safety*
- ◆ *Security*
- ◆ *Sport and recreation services”*

It would be recommended that the approach to assessing Outcomes 4, be carried out with a case study, using either live or paper based research.

Open learning

This Unit could be delivered by open or distance learning. However, it will require planning by the centre to ensure sufficiency and authenticity of candidate evidence. For further information and advice on Open and Distance Learning., please see *Assessment and Quality Assurance for Open and Distance Learning* (SQA, February 2001 — publication code A1030).

Candidates with additional support needs

This Unit specification is intended to ensure that there are no artificial barriers to learning or assessment. The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments or considering alternative Outcomes for Units. For information on these, please refer to the SQA document *Guidance Assessment Arrangements for Candidates with Disabilities and/or Additional Support Needs*, which is available on the SQA website www.sqa.org.uk.

General information for candidates

Unit title: Operational Technologies in Sport and Recreation Facility Management

This Unit introduces you to the functions that technology performs within the daily operations of a sport and recreation environment. Due to the dynamic nature of technology it is important for you to be aware of the impact that technology plays on a day to day basis.

On completion of the Unit you will be able to identify and describe administrative, communication, security, and health and safety technologies. You will also have the opportunity to research and report on the impact that contemporary usage of indoor technology has on service provision, financial/operational effectiveness and customer turnover.

The Unit may be assessed by an integrative assignment of approximately 1500 words covering Outcomes 1-3, and a research report of approximately 1500 words covering Outcome 4

Bibliography:

Title: Perspectives — The multidisciplinary series of physical education and sports science; Volume 4, 2002: Sport and Information Technology.

Author: Gretchen Ghent/Darlene Kluka/Denise Jones

Publisher: Meyer and Meyer Sport

Published: 2002

ISBN: 1-84126-086-X

Title: Sport technology: history, philosophy and policy.

Author: Andy Miah/Simon B. Eassom

Publisher: Elsevier science Ltd.

Published: 2002

ISBN: 0-7623-0880-X

Web Sites: <http://www.sportsmanagement.co.uk/>
<http://www.leisuremanagement.co.uk/>
<http://www.sportsvenue-technology.com>
<http://www.gladstonemrm.com>
<http://www.ilam.co.uk>
<http://www.isrm.co.uk>
<http://www.leisureopportunities.co.uk>
<http://www.sportsvenue-technology.com>
Sport Technology Research laboratory
<http://www.kin.ucalgary.ca/strc>