Higher National Unit specification

General information

Unit title: Outside Broadcasting: Advanced Multi Camera Live
Playout (SCQF level 9)

Unit code: H6BC 36

Superclass:	KF
Publication date:	January 2014
Source:	Scottish Qualifications Authority
Version:	01

Unit purpose

This Unit is designed to allow the learner to develop advanced skills in outside broadcasting: multi camera live playout. This will include understanding and operating multiple channel and replay hard disk devices and producing content suitable for live playout.

Outcomes

On successful completion of the Unit the learner will be able to:

1 Analyse the role of multiple channel and replay hard disk devices and related software and processes.
2 Operate key functions of a multiple channel and replay hard disk device.
3 Produce content suitable for live playout.

Credit points and level

1 Higher National Unit credit at SCQF level 9: (8 SCQF credit points at SCQF level 9)

Higher National Unit Specification: General information (cont)

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Recommended entry to the Unit

Access to this Unit is at the discretion of the centre. However it is recommended that learners have completed or are in the process of completing an HND or equivalent level qualification in Television or a related subject area.

If completing this Unit as part of the PDA in Outside Broadcasting in a Multi Camera Production then it is recommended that both *Outside Broadcasting: An Introduction* and *Outside Broadcasting: Health and Safety* are either currently being undertaken or have been completed.

Core Skills

Opportunities to develop aspects of Core Skills are highlighted in the Support Notes for this Unit specification.

There is no automatic certification of Core Skills or Core Skill components in this Unit.

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.

Equality and inclusion

This Unit specification has been designed to ensure that there are no unnecessary barriers to learning or assessment. The individual needs of learners should be taken into account when planning learning experiences, selecting assessment methods or considering alternative evidence.

Further advice can be found on our website **www.sqa.org.uk/assessmentarrangements**.

Higher National Unit specification: Statement of standards

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Acceptable performance in this Unit will be the satisfactory achievement of the standards set out in this part of the Unit specification. All sections of the statement of standards are mandatory and cannot be altered without reference to SQA.

Outcome 1

Analyse the role of multiple channel and replay hard disk devices and related software and processes.

Knowledge and/or Skills

♦ Multiple channel and replay hard disk device network and the capability of networked machines
♦ Setup of record channels with the right naming conventions
♦ Logging system
♦ Organising files
♦ Live to air replay and working with replay co-ordinators and directors
♦ Concept of building and compiling playlists

Outcome 2

Operate key functions of a multiple channel and replay hard disk device.

Knowledge and/or Skills

♦ Logging system
♦ Marking of in and out points and GoTo operation depending on the subject and purpose
♦ Cueing and running replays
♦ Clips — viewing and making
♦ Monitoring on-line content
♦ Restoring off-line content

Outcome 3

Produce content suitable for live playout.

Knowledge and/or Skills

♦ Editorial judgement
♦ Editing — making playlists and editing highlights packages
♦ Pushing and receiving files to/from edit systems

Higher National Unit specification: Statement of standards (cont)

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Evidence Requirements for this Unit

Learners will need to provide evidence to demonstrate their Knowledge and/or Skills across all Outcomes.

Outcome 1

Learners will provide evidence of knowledge and understanding by researching and producing a report which will act as a personal guide to using multiple channel and replay hard disk devices, and related software and processes. This guide will support the learner in the operating of equipment in Outcomes 2 and 3.

The report must:

♦ analyse the role of multiple channel and replay hard disk devices network and related equipment in outside broadcast multi camera production.
♦ describe the setting up of record channels.
♦ describe logging systems, appropriate metadata and file organisation systems.
♦ analyse the role of replay coordinators and directors.
♦ explain the concept of building and compiling playlists.

Outcomes 2 and 3

Learners will provide evidence of knowledge and understanding by operating a multiple channel and replay hard disk device and related equipment. The learners will be required to:

♦ Set up record channels
♦ Log clips using appropriate metadata
♦ Store files appropriately and in an organised manner
♦ Mark in and out points and use the GoTo function
♦ Cue and run replays
♦ View and make clips
♦ Monitor content
♦ Restore content
♦ Make playlists
♦ Push and receive files to an edit system

The assessor will observe the learner carrying out set task(s). For Outcome 3 product evidence should also be submitted as evidence. This will be a minimum of one highlights package.

Higher National Unit Support Notes

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Unit Support Notes are offered as guidance and 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

This Unit is intended to deliver advanced specialist skills required by the outside broadcast: multi camera production sector. This Unit is focussed on multiple channel and replay hard disk devices. The term EVS operator is a common job title among this sector and is based on a popular brand of multiple channel and replay hard disk devices. The terms IP Director and Clean Edit also relate to the role of EVS operator and the management of multi camera and live playout.

It is recommended that learners have completed or are in the process of completing an HND or equivalent level qualification in Television or a related subject area. If completing this Unit as part of the PDA in Outside Broadcasting in a Multi Camera Production then it is recommended that the Units *Outside Broadcasting: An Introduction* and *Outside Broadcasting: Health and Safety* are either currently being undertaken or have been completed.

This Unit is mapped to the following National Occupational Standards:

SKSE19	Prepare for fast turn-around editing
SKSCTV11	Provide assistance to the camera crew during multi camera shoot
SKS P31	Assist Live Multi Source Productions
SKS P30	Assist gallery operations and the production of multi-source recorded productions

Guidance on approaches to delivery of this Unit

This Unit should be delivered in linear order with learners having an introductory practical session to experience the equipment and contextualise the information required. Ideally this will be delivered in a multi camera environment such as a studio or outside broadcast truck. Hands on practice and formative practical exercises are important in ensuring the learner can become confident with the processes. This should be supplemented with case studies, workshops, workplace visits and independent learning. Access to the multiple channel and replay hard disk device is not required throughout the whole delivery of the Unit as simulations and logging/media management exercises can be completed on individual computers with appropriate software, eg IP Director.

Higher National Unit Support Notes (cont)

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Guidance on approaches to assessment of this Unit

Evidence can be generated using different types of assessment. The following are
suggestions only. There may be other methods that would be more suitable to learners.

Centres are reminded that prior verification of centre-devised assessments would help to
ensure that the national standard is being met. Where learners experience a range of
assessment methods, this helps them to develop different skills that should be transferable to
work or further and higher education.

Outcome 1 is intended to form an overview and practical understanding of the complex
processes involved in multiple channel and replay hard disk devices, networks and related
edit systems. The evidence for assessment produced by the learner should support practical
application of the skills in Outcome 2 and 3, acting as a personal guidebook and instruction
manual.

Outcomes 2 and 3 require the learner to be observed once s/he is confident in using the
technology and completing tasks. A set list of standard instructions could be issued to the
learner with the task being carried out within a set time limit.

Outcome 3 requires the learner to edit an appropriate highlights package. This may be
carried out using pre-recorded rushes/ footage from a multi camera event such as a football
match or music festival. Again this could be carried out under a set time to simulate industry
conditions.

An observation checklist should be used for Outcomes 2 and 3.

If delivered as part of the PDA in Outside Broadcasting in a Multi Camera Production then
Outcomes 2 and 3 could be assessed during the *Outside Broadcasting: Work Placement*
Unit provided that the learner is involved in a suitable role.

Opportunities for e-assessment

E-assessment may be appropriate for some assessments in this Unit. By e-assessment we
mean assessment which is supported by Information and Communication Technology (ICT),
such as e-testing or the use of e-portfolios or social software. Centres which wish to use
e-assessment must ensure that the national standard is applied to all learner evidence and
that conditions of assessment as specified in the Evidence Requirements are met,
regardless of the mode of gathering evidence. The most up-to-date guidance on the use of
e-assessment to support SQA's qualifications is available at
www.sqa.org.uk/e-assessment.

Higher National Unit Support Notes (cont)

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Opportunities for developing Core and other essential skills

Depending on the learning and teaching/assessment approaches adopted, this Unit provides opportunities for developing *aspects* of the following:

Communication at SCQF level 6: Written/Oral

Learners will carry out research and produce a report in the form of a guide which they will consult during the Unit. The information must be accurate, clearly and logically presented and use appropriate language and terminology.

Problem Solving at SCQF level 6: Critical Thinking/Planning and Organising/ Reviewing and Evaluating

Learners will need to identify approaches, plan their research and assess the relative importance of different factors. They will have to monitor and evaluate their product evidence on a continual basis and present their final output in an appropriate and coherent format.

ICT at SCQF level 6: Accessing/Processing information

Learners will use a range of software and equipment independently and responsibly to carry out complex tasks. They will present their final product evidence in various appropriate formats. They will carry out searches, evaluate their output and keep their work secure.

Working Co-operatively with Others at SCQF level 6

Throughout the Unit learners will promote co-operation by demonstrating appropriate attitudes and behaving appropriately towards others.

Numeracy at SCQF level 4: Using Graphical Information/Using Number

Learners will apply straightforward numerical skills in everyday situations. Tasks may involve the accurate recording or reading of timings, calculating replay/run times, schedules, processes or costs. They may have to check graphical, numerical or statistical information and/or draw straightforward conclusions from results.

History of changes to Unit

Version	Description of change	Date

General information for learners

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This section will help you decide whether this Unit is for you by explaining what the Unit is about, what you should know or be able to do before you start, what you will need to do during the Unit and opportunities for further learning and employment.

This Unit is designed to develop advanced skills in outside broadcasting: multi camera live playout. This will include understanding and operating multiple channel and replay hard disk devices and producing content suitable for live playout.

During the Unit which is made up of three Outcomes, you will develop knowledge, understanding and skills to allow you to:

Analyse the role of multiple channel and replay hard disk devices and related software and processes

This Outcome will provide you with an overview and the practical understanding of the complex processes involved in multiple channel and replay hard disk devices.

You will undertake research and produce a report which will act as a personal guide to using multiple channel and replay hard disk devices. This guide will support you operating the equipment required to complete Outcomes 2 and 3.

Operate key functions of a multiple channel and replay hard disk device

This is a practical Outcome which will allow you to develop skills in operating a multiple channel and replay hard disk device. These will include:

♦   Using logging systems
♦   Marking in and out points and GoTo operation
♦   Cueing and running replays
♦   Viewing and making clips
♦   Monitoring on-line content
♦   Restoring off-line content

Produce content suitable for live playout

This Outcome follows on from Outcome 2 and requires you to use the skills you have developed to make playlists and edit an appropriate highlights package. This may be carried out using pre-recorded rushes/footage from a multi camera event such as a football match or music festival.

You will learn through practical workshops, workplace visits, lectures, case studies and independent learning.

You will be assessed by submitting a report, by being observed carrying out practical tasks and by editing a highlights package.

This Unit may be completed alongside the PDA in Outside Broadcasting in a Multi Camera Production. This is intended to prepare you for employment within this specialist sector or further study.