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### Overview

This standard is about the basic functions of software-based MIDI sequencing packages on Digital Audio Workstations (DAWs) This standard is about the skills and knowledge needed to compose music using MIDI devices or software.

MIDI sequencing is used widely in the sound and media related industries to coordinate and layer up multiple different sound sources under tight control.

It is a vital area of Music technology skills required that form part of a sound engineers skill sets.

You will connect together and use MIDI sequencing packages and will explore the basic parameters of professional DAW software. You will be encouraged to develop an intuitive awareness of the place of MIDI sequencing in the creative process with special regard to flexibility of operation due to the nature of MIDI as an easily-editable form of control data.

You will learn how to keep track of files and backup their work as well as how to use basic MIDI entry, save and editing procedures.

You will use basic equipment connectivity knowledge in order to set up and test hardware and software comprising the MIDI sequencing package.

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### Use basic functions of MIDI sequencing on professional DAWs

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#### Performance criteria

*You must be able to:*

- P1 set up a software MIDI sequencer and headphone/monitor system
- P2 use the basic functions of a software-based MIDI sequencing package
- P3 create MIDI files to a given brief
- P4 carry out computerised file location, file saving and backup procedures
- P5 make connections between pieces of MIDI equipment
- P6 configure a MIDI sequencer to accept and transmit MIDI instructions
- P7 configure audio connections between MIDI sound sources and audio monitoring facilities
- P8 implement MIDI functions within a software sequencer package
- P9 balance and edit MIDI processes
- P10 use different types of storage media to backup and transport files

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## Use basic functions of MIDI sequencing on professional DAWs

### Knowledge and understanding

*You need to know and understand:*

#### MIDI operation and functions

- K1 the steps required to make MIDI connections
- K2 the procedures required to set up a software MIDI sequencer to receive and transmit MIDI data
- K3 how audio connectors are used in order to monitor MIDI sound sources
- K4 relevant terminology relating to MIDI connections
- K5 MIDI functions within a software MIDI sequencer
- K6 how a MIDI sequencer allows multiple channels of data to be controlled simultaneously
- K7 relevant terminology associated with the functions of MIDI sequencing package
- K8 how to follow project briefs
- K9 the MIDI processes required for particular creative outputs

*You need to know and understand:*

#### File storage of all MIDI data/content

- K10 computerised file structures and computer network storage systems
- K11 the reasons for data backup policies
- K12 how to use storage media to secure data
- K13 health and safety principles of safe listening, including safeguards against hearing loss

*You need to know and understand:*

#### Music sequencing and synthesis

- K14 the capacities of software and hardware
- K15 how to effectively use equipment and/or instruments to enhance own music making
- K16 how to use technology to improve creative outcomes
- K17 the characteristics and capabilities of the instruments/voices that will perform the music
- K18 the styles and musical forms and conventions in performance or composition of chosen genre
- K19 how to use relevant composing techniques effectively
- K20 how to use appropriate elements of musical organisation in own work
- K21 how to use appropriate composition and performance protocols relevant to area of specialisation
- K22 how to recognise intervals, chords, scales and chord progressions commonly used in the selected styles
- K23 how to listen critically to own work and the work of others to inform own work
- K24 how to listen critically to and adjust own work to achieve the required sound.

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## Use basic functions of MIDI sequencing on professional DAWs

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Suite	Music Technology
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