

Overview

This Standard is about advising on procedures to avoid unnecessary technical issues with quality throughout the pre-production, production or post production phases. It is about identifying any issues that may arise when working within production teams to find ways to ensure that a technically satisfactory output is created, especially when working with multiple transcodes. It includes appreciating and understanding current and emerging technology and industry standards to ensure that digital production outputs have a sufficient lifespan.

This Standard could apply to anyone involved with digital media during production.

Advise on technical process in production

Performance criteria

You must be able to:

1. identify appropriate ways to light, shoot and record sound and picture in line with industry standards, workflow expectations, budget requirements and expected deliverables
2. advise whether planned outputs will be compatible and meet specification for post production processes in line with workflow
3. keep own knowledge of changes in technology, digital production techniques and industry standards up to date using information from reliable sources
4. identify technical issues relating to picture and sound that it would be hard or expensive to deal with during post production
5. consult with relevant colleagues to identify solutions to remedy technical problems
6. find solutions that are acceptable to clients when technical problems are hard to remedy, or remedy cannot be funded
7. brief others at appropriate times on technical quality expectations and the implications of different approaches to media capture on the digital workflow
8. identify and propose technical changes during workflow development that increase technical or commercial viability of projects

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Knowledge and understanding

You need to know and understand:

1. the technical expectations and requirements defined in the workflow
2. how to verify that workflow is fit for purpose
3. processes of quality assessment review for video and audio to expected artistic and technical standards
4. formats which can safely be used for multiple transcoding without excessive loss of quality
5. how to manage issues that can be caused in media or in systems by multiple transcodes of media
6. the system and naming conventions to use to ensure version control
7. how to manage camera recording profiles including log, linear, raw, high dynamic range, and the implications of using different profiles
8. principles of metadata management and its importance
9. principles of standard deliverables and what to consider when working with non-standard deliverables
10. principles of file formats, digital interconnectivity and elements of audio and video signals
11. how to measure critical elements of audio and video signals
12. the contribution that should and should not be made to technical quality by VFX and post production colleagues considering budgetary and client's artistic expectations
13. how VFX and post production processes can be affected by capture methods and formats
14. the cost implication for post production of shooting in various media and file types
15. how to work within a budget and ways to tailor a budget to meet changing requirements
16. how to communicate effectively and work with colleagues to resolve problems
17. where to find out about developments in technology, digital production and industry practice
18. current viewing standards, technical broadcast standards and current professional, national and international deliverable standards and expressions of best practice for different platforms

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