



ANSI Committee on Education
Standardization Case Studies

ACCOMPANYING QUESTION AND ANSWER WORKSHEET

As appropriate, please suggest recommended study, test or quiz questions / answers to accompany the case study proposed above.

Proposed Question	What does JPEG stand for?
Proposed Answer	Joint Photographic Experts Group, an ISO/IEC/ITU-T group of experts that develops and maintains standards for a suite of image compression algorithms and systems for digital images.

Proposed Question	What is a '.jpg' file?
Proposed Answer	The .jpg (or .jpeg) is the most common filename extensions employing JPEG compression.

Proposed Question	What is a JFIF file?
Proposed Answer	JPEG File Interchange Format (JFIF) is a minimal file format which enables JPEG bitstreams to be exchanged between a wide variety of platforms and applications. This is part of the JPEG standard published as ISO/IEC 10918-5.

Proposed Question	What is a DCT?
Proposed Answer	The discrete cosine transform (DCT) is a mathematical operation used in the JPEG standard. This mathematical operation converts each frame/field of the digital image from the spatial (2D) domain into the frequency domain (aka transform domain).

Proposed Question	Name some applications that use JPEG.
Proposed Answer	Digital cinema, remote sensing, image surveillance, digital culture imaging, archiving, e-commerce, and social media.

Please return completed Project Worksheet to training@ansi.org.

Questions can be directed to [Lisa Rajchel](mailto:Lisa.Rajchel@ansi.org) (212.642.4932)