



**INTERNATIONAL STANDARD ISO/IEC 14496-4:2004**  
**TECHNICAL CORRIGENDUM 3**

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION  
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**Information technology — Coding of audio-visual objects —**  
**Part 4:**  
**Conformance testing**

**TECHNICAL CORRIGENDUM 3**

*Technologies de l'information — Codage des objets audiovisuels —*

*Partie 4: Essai de conformité*

*RECTIFICATIF TECHNIQUE 3*

Technical Corrigendum 3 to ISO/IEC 14496-4:2004 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 29, *Coding of audio, picture, multimedia and hypermedia information*.

*Replace the following table in subclause 8.5.5.2.2:*

Name	Provider	Content	Original wrl file
WS_CHG	France Telecom R & D	WaveletSubdivisionSurface with complete spatial encoding, same quantization for each component and global coordinates for wavelet coefficients.	WS_CHG.wrl
WS_PNHL	France Telecom R & D	WaveletSubdivisionSurface with partial spatial encoding, different quantization for each component and local coordinates for wavelet coefficients.	WS_PNHL.wrl

with:

Model name	Provider	In/Out-band	Complete/Partial	Global/Local	Quantisation	Bitstream
bunny	UPM	I	C	G (x, y, z)	(10, 10, 10)	bunny_ICG101010.mp4
					(10, 09, 08)	bunny_ICG100908.mp4
				L (n, t <sub>1</sub> , t <sub>2</sub> )	(10, 10, 10)	bunny_ICL101010.mp4
					(10, 09, 08)	bunny_ICL100908.mp4
venus	UPM	O	C	G (x, y, z)	(10, 10, 10)	venus_OCG101010.mp4
					(10, 09, 08)	venus_OCG100908.mp4
				L (n, t <sub>1</sub> , t <sub>2</sub> )	(10, 10, 10)	venus_OCL101010.mp4
					(10, 09, 08)	venus_OCL100908.mp4
bunny	France Telecom R&D	I	P	G (x, y, z)	(10, 10, 10)	bunny_IPG101010.mp4
					(10, 09, 08)	bunny_IPG100908.mp4
				L (n, t <sub>1</sub> , t <sub>2</sub> )	(10, 10, 10)	bunny_IPL101010.mp4
					(10, 09, 08)	bunny_IPL100908.mp4
venus	France Telecom R&D	O	P	G (x, y, z)	(10, 10, 10)	venus_OPG101010.mp4
					(10, 09, 08)	bunny_OPG100908.mp4
				L (n, t <sub>1</sub> , t <sub>2</sub> )	(10, 10, 10)	venus_OPL101010.mp4
					(10, 09, 08)	venus_OPL100908.mp4

The name of all bitstreams follow the pattern “*modelName*\_A<sub>1</sub>A<sub>2</sub>A<sub>3</sub>N<sub>1</sub>N<sub>2</sub>N<sub>3</sub>.mp4”, where:

- *modelName* is either “bunny” or “venus”, the corresponding 3D model being, respectively, the well-known bunny from the Stanford 3D scanning repository or the also classical venus head;
- A<sub>1</sub> is either “I” or “O”, standing respectively for In-band or Out-band stream;
- A<sub>2</sub> is either “C” or “P”, indicating respectively an either Complete or Partial spatial coding of the wavelet coefficient tree forest;
- A<sub>3</sub> is either “G” or “L”, meaning respectively that the coordinate frame for the 3D details is either Global (and hence the coordinates are x, y and z) or Local (and hence the coordinates are n, t<sub>1</sub> and t<sub>2</sub>);
- N<sub>1</sub>, N<sub>2</sub> and N<sub>3</sub> are integers between 8 and 10 (printed with two digits) reflecting the number of bits devoted to the quantisation of the first, second and third coordinate, respectively.

For instance, “bunny\_ICG100908.mp4” is the WaveletSubdivisionSurface representation of the bunny model in an in-band stream with complete spatial encoding, global coordinates, and different quantisation for different components (10 for x, 9 for y and 8 for z).

*Replace the directory “AFX Conformance Bitstreams/FranceTelecom/WaveletSubdivisionSurface” of the electronic document attached to ISO/IEC 14496-4:2004 (containing the first two bitstreams mentioned above) with the directory “AFX Conformance Bitstreams/UPM” of the electronic document attached to this technical corrigendum (containing a single file named “WaveletSubdivisionSurface.zip”, which in turn contains all the last sixteen bitstreams mentioned above).*

*Replace the file “AFX Conformance Bitstreams/VUB/MeshGrid Streams.zip” contained in the electronic document attached to ISO/IEC 14496-4:2004 (containing all bitstreams mentioned in its subclause 8.5.3.3.2), with the file “AFX Conformance Bitstreams/VUB/MeshGrid Streams.zip” of the electronic document attached to this technical corrigendum (containing the corrected versions of those bitstreams).*