

# ISO/IEC 14496-13:2004-09 (E)

## Information technology - Coding of audio-visual objects - Part 13: Intellectual Property Management and Protection (IPMP) extensions

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		vi
1	Scope .....	1
2	Normative References .....	1
3	Terms and Definitions .....	2
4	Overview of IPMP Extensions (Informative) .....	3
4.1	IPMP Architecture .....	3
5	Normative Elements .....	8
5.1	Extended MPEG-4 Architecture .....	8
5.2	Extension tags for the IPMP_Data_BaseClass message .....	8
5.3	Mutual Authentication .....	9
5.4	IPMP Tool connection and disconnection .....	17
5.5	IPMP Tool notification .....	23
5.6	IPMP Processing .....	25
5.7	User Interaction Messages .....	28
5.8	IPMP Information Delivery Functions .....	31
	Annex A (normative) Selective Decryption Configuration Data .....	35
A.1	Introduction .....	35
A.2	IPMP_SelectiveDecryptionInit .....	35
A.3	An example of a selective decryption configuration data (Informative) .....	38
	Annex B (normative) Audio Watermarking Configuration and Notification .....	41
B.1	Introduction .....	41
B.2	B.2 IPMP_AudioWatermarkingInit .....	41
B.3	IPMP_SendAudioWatermark .....	43
	Annex C (normative) Video Watermarking Configuration and Notification Data .....	45
C.1	Introduction .....	45
C.2	IPMP_VideoWatermarkingInit .....	45
C.3	IPMP_SendVideoWatermark .....	47
	Annex D (normative) Tool/Content Transfer Messages Among Distributed IPMP Devices .....	49
D.1	Introduction .....	49
D.2	Addressing of distributed devices .....	49
D.3	IPMP_DeviceMessageBase .....	49
D.4	Device to Device IPMP Message .....	50
D.5	Content Transfer Messages .....	51
D.6	Tool Transfer Messages .....	52
D.7	Device ID messages .....	53

<b>Annex E (normative) Schema for Terminal Platform .....</b>	<b>54</b>
<b>Annex F (normative) Registration Procedure .....</b>	<b>57</b>
<b>F.1 Registered Data .....</b>	<b>57</b>
<b>F.2 Procedure for the request of Registered Data .....</b>	<b>57</b>
<b>F.3 Responsibilities of the Registration Authority .....</b>	<b>57</b>
<b>F.4 Contact information for the Registration Authority .....</b>	<b>58</b>
<b>F.5 Responsibilities of Parties Requesting Registered Data .....</b>	<b>58</b>
<b>F.6 Appeal Procedure for Denied Applications .....</b>	<b>58</b>
<b>F.7 Registration Application Form .....</b>	<b>59</b>
<b>Annex G (informative) Patent statements .....</b>	<b>62</b>