

Project: IEEE P802.15 Working Group for Wireless Personal Area Networks

Submission Title: [Projected data rate]

Date Submitted: [September 20, 2005]

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Re: []

Abstract: [Update of activities in the channel modeling sub-group and call for participation]

Purpose: [Contribution to 802.15 TG3c in September meeting in Garden Grove]

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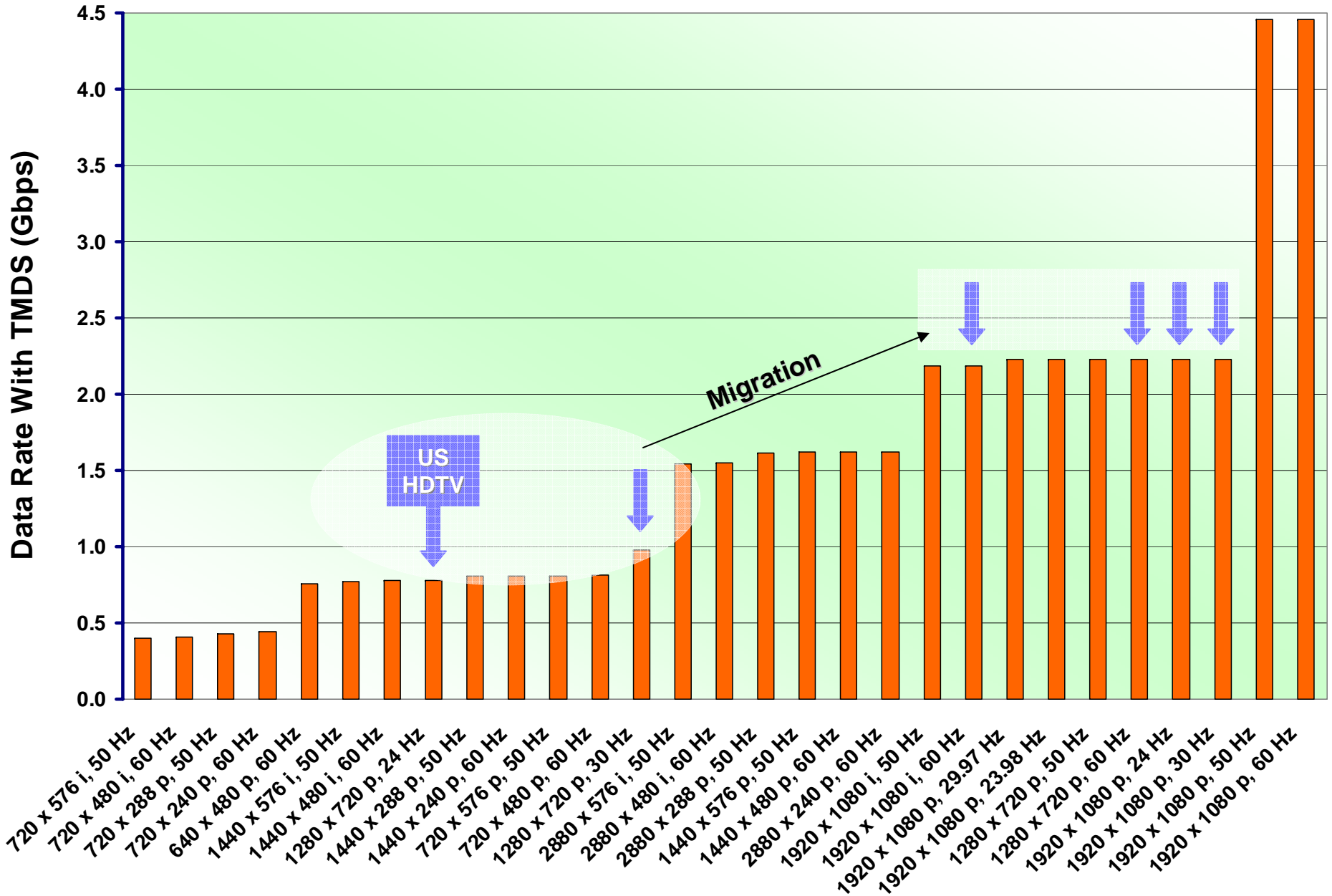
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Profile of Submitted Applications

#	Description of Applications	Indoor	Document Number
1	<ul style="list-style-type: none"> Gigabit Ethernet link, wireless IEEE1394, wireless USB Wireless home video server connected to HDTV, PC and other video devices 	<ul style="list-style-type: none"> LOS, FDD, TDD Data rate: 100 Mbps to 3.2 Gbps Range: ≤ 12 m 	19, 98, 118, 348, 351, 653, 665
2	Ad-hoc meeting, heavy content download, distribution system	<ul style="list-style-type: none"> LOS, NLOS, TDD Data rate: 62 Mbps, ≥ 1 Gbps Range: 3 m to 20 m 	97, 155, 156, 352, 514
3	Small office/meeting scenario, general office applications, PowerPoint applications	<ul style="list-style-type: none"> LOS and NLOS OFDM Data Rate: ≤ 200 Mbps Range: 2 to 4 m Space diversity 	141

Source: 15-05-0353-05-003c-draft-tg3c-system-requirements

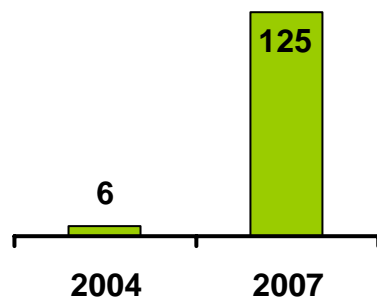
HDMI Data Rate



HDMI – A Success Story

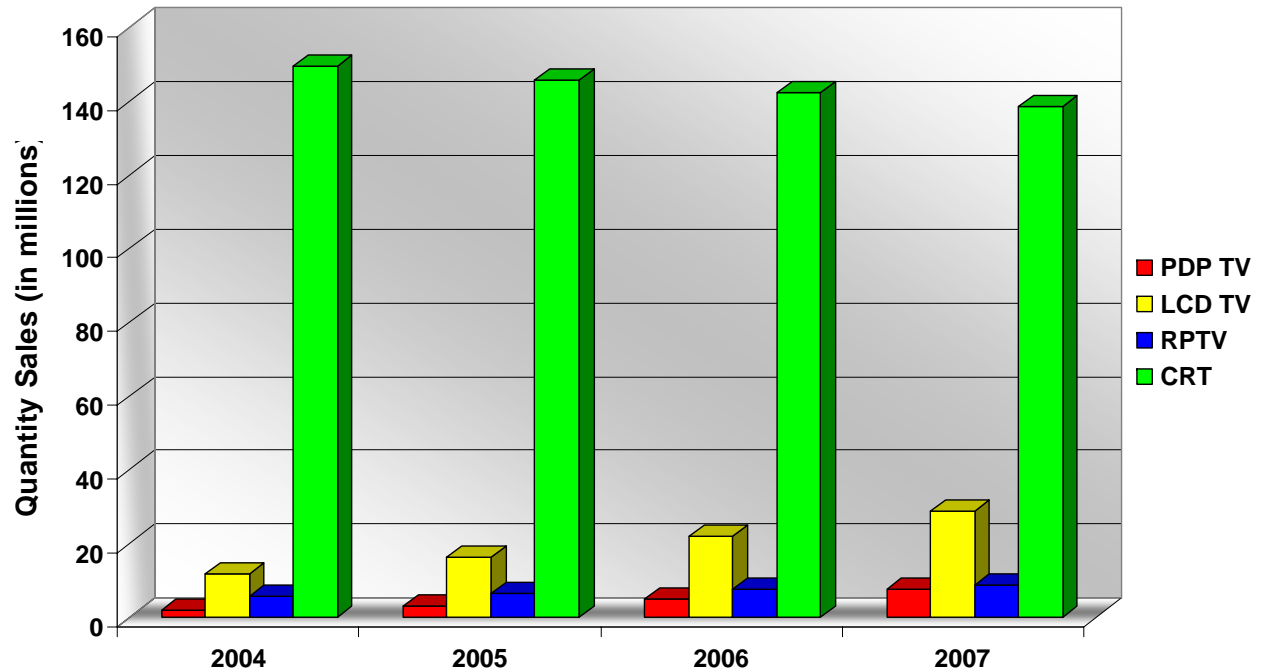
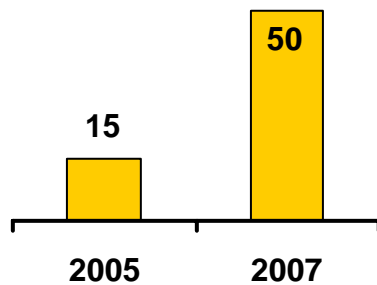
Sales of HDMI Enabled CE Devices

(in millions)



Sales of HDMI Enabled DTV

(in millions)



Video Gaming HDTV Resolution

	PS3	XBox 360	Data Rate With TMDS (Gbps)
1280 x 720p	✓	✓	0.8 to 2.3
1920 x 1080i	✓	✓	2.2
1920 x 1080p	✓		2.2 to 4.5

└─ Plan to incorporate Blu Ray drive

Product life cycle is 3 to 5 years