

2011 - WBU ISOG MPEG4 Interoperability Submitted Transport Streams

Status as of October 7th 2011

Vendor	TS1-a (10bit)	TS1-b (8bit)	TS2	TS3	TS4	TS5	TS6
Adtec Digital		422-8	420-8	(1) 422-8	422-8	422-8	422-8
AEME	422-10	422-8	420-8	422-10	422-10	422-10	422-10
Ericsson	422-10	422-8	420-8	422-10	422-10	422-10	422-10
Harris			420-8	420-8	420-8	420-8	420-8
International Datacasting			420-8		420-8	420-8	420-8
NTT Electronics Corporation		422-8	420-8	422-8	422-8	422-8	422-8
38 Mbps Standard Latency							
RESOLUTION	1080i	1080i	1080i	1080i	1080i	720p	720p
FREQUENCY	59.94	59.94	59.94	59.94	50	59.94	50
IBBP/GOP	Vendor	Vendor	Vendor	Vendor	Vendor	Vendor	Vendor
AUDIO	4CH MPEG2	4CH MPEG2	4CH MPEG2	8CH PCM	4CH MPEG2	4CH MPEG2	4CH MPEG2
PARAMETERS	Hi422@L4	Hi422@L4	HiP@L4	Hi422@L4	Hi422@L4	Hi422@L4	Hi422@L4

	Total Files
AEME	23
Ericsson	23
Harris	21
IDC	13
NTT	22

Vendor	TS7	TS8	TS9	TS10	TS11	TS12	TS13	TS14
Adtec Digital	422-8	(3) 420-8	422-8		420-8	422-8	422-8	422-8
AEME	422-10	422-10	422-10	422-10	420-8	422-10	422-10	422-10
Ericsson	422-10	422-10		422-10	420-8	422-10	422-10	422-10
Harris	420-8	420-8	420-8	420-8	420-8	420-8	420-8	420-8
International Datacasting					420-8	420-8	420-8	420-8
NTT Electronics Corporation	422-8	422-8	422-8	422-8	420-8	422-8	422-8	422-8
20 Mbps Standard Latency								
RESOLUTION	1080i	1080i	1080i	1080i	1080i	1080i	720p	720p
FREQUENCY	59.94	59.94	59.94	59.94	59.94	50	59.94	50
IBBP/GOP	Vendor	Vendor	Vendor	Vendor	Vendor	Vendor	Vendor	Vendor
AUDIO	MPEG2	Dolby-E	PCM	AAC	MPEG2	MPEG2	MPEG2	MPEG2
PARAMETERS	Hi422@L4	Hi422@L4	Hi422@L4	Hi422@L4	HiP@L4	Hi422@L4	Hi422@L4	Hi422@L4

Vendor	TS15	TS16	TS17	TS18	TS19	TS20	TS21
Adtec Digital	420-8	420-8	420-8	420-8	420-8		420-8
AEME	420-8	420-8	420-8	420-8	420-8	420-8	420-8
Ericsson	420-8	420-8	420-8	420-8	420-8	420-8	420-8
Harris	420-8	420-8	420-8	420-8	420-8	420-8	420-8
International Datacasting	420-8	420-8	420-8				420-8
NTT Electronics Corporation	420-8	420-8	420-8	420-8	420-8	420-8	420-8
10.3 Mbps Low Latency IBBP							
RESOLUTION	1080i	1080i	720p	720p	720p	720p	720p
FREQUENCY	59.94	50	59.94	59.94	59.94	59.94	50
IBBP/GOP	Vendor	Vendor	Vendor	Vendor	Vendor	Vendor	Vendor
AUDIO	MPEG2	MPEG2	MPEG2	Dolby-E	PCM	AAC	MPEG2
PARAMETERS	HiP@L4	HiP@L4	HiP@L4	HiP@L4	HiP@L4	HiP@L4	HiP@L4

TS22	
420-8	
420-8	
420-8	
(2) 420-8	
420-8	
420-8	
20 Mbps Lowest Latency	
1080i	
59.94	
Vendor	
MPEG2	
HiP@L4	

- Notes
- (1) Encoder supports PCM but does not have the requested 8-Channel PCM support
 - (2) Vendor participated in live latency test, but the file was not recorded on site.
 - (3) Encoder supports 422-8 , submitted TS8 file was coded 420-8, tested as submitted.

All transport streams submitted prior to the event were screened using a transport stream analyzer generously provided by **Interra Systems**.

The Interra Systems Vega TSA was utilized for examining TS fill rate, PID used, data rates, number and type of audio channels, type of video, chroma, and GOP structure.

<http://www.interrasystems.com/dms/analyzers.php>