

1. FCD Software Implementation Schedule R4

Time	Work Item	Implementor	Description	JM Version
Done	JVT-C060 JVT-C061 JVT-D019 JVT-D020 (end of slice signaling) JVT-D021	Heiko Schwarz hschwarz@hhi.de Detlev Marpe marpe@hhi.de	Improved CABAC Fast Arithmetic Coding for CABAC CABAC cleanup CABAC and ABT	JM 4.0a
Done	JVT-C028 with updates JVT-D036, JVT-D034	Karl Lillevold karll@real.com	Context-adaptive VLC (CVLC) coding of coefficients	JM 4.0b
Done	JVT-D059	Greg Conklin gregc@real.com	Low Complexity Diagonal Mode for Intra Prediction	JM 4.0b
Done	JVT-B055	Ragip Kurceren ragip.kurceren@nokia.com	New Macroblock modes for SP-frames (SI)	JM 4.0c
Done	JVT-D108 JVT-D042	Limin Wang limin.wang@motorola.com Krit Panusopone	MB adaptive field/frame coding for interlace sequences Colocated Blocks & Ref. Frames/MVs for Direct Mode in AFF	JM 4.1
Aug, 19 th	JVT-D040 JVT-D041 JVT-D155	Alexis Tourapis alexis@msrchina.rese.arch.microsoft.com Byeong-Moon Jeon jeonbm@lge.com	Modifications of B picture coding Alteration of Lambda for B pictures	JM 4.1a
Aug, 21 st	JVT-D062, JVT-C118	Eric Viscito eric.viscito@conexant.com Dzung Hoang dzung.hoang@conexant.com	Chroma Spatial Prediction for Intra Coding	missed
Aug, 23 rd	JVT-D025	Antti Hallapuro antti.hallapuro@nokia.com Marta Karczewicz Marta.Karczewicz@nokia.com	Analysis and Simplification of Intra Prediction	JM 4.1b
Aug, 27 th	JVT-C066, JVT-C067, JVT-C103	Yoshihiro Kikuchi yoshihiro.kikuchi@toshiba.co.jp	Multiframe Interpolative Prediction Related docs: JVT-C047, JVT-C066, JVT-C067, JVT-C077, JVT-C103 Adopt as in JVT-C067 and JVT-C103 with revised syntax considering JVT-C077 (non-baseline)	JM 4.1c
			Bug fixing period	JM 4.2
Sep, 18 th	JVT-D037, JVT-D038	Anthony Joch anthony@ubvideo.com	Loop Filter Simplification and Improvement (work items 1 and 2)	
Sep, 20 th	JVT-D113	Chong-Soon Lim cslim@psl.com.sg	Filtering Strength for B Pictures	
Sep, 24 th	JVT-D062, JVT-C118	Eric Viscito eric.viscito@conexant.com Dzung Hoang dzung.hoang@conexant.com	Rescheduled: Chroma Spatial Prediction for Intra Coding (only merge)	
Sep, 26 th	JVT-D065	Stephan Wenger stewe@cs.tu-berlin.de	Parameter Set Issues	
Sep. 30 th	JVT-D095	Ye-Kui Wang vyk@ieee.org	On Random Access	
Oct, 2 nd	JVT-D097		Signaling of Shot Changes	
Oct, 4 th	JVT-D098	Dong Tian tian@cs.tut.fi	Spare Pictures	
Oct, 8 th	JVT-D099 JVT-D100 JVT-D101 JVT-D145	Miska Hannuksela miska.hannuksela@nokia.com	High Level Syntax Signaling of Enhanced GOPs Sync Pictures Enhancements to FMO	
Oct, 10 th	JVT-D145	Barry Haskell bhaskell@apple.com	POC	

Oct, 14 th	JVT-D018	Karsten Sühning suehring@hhi.de	Multi-picture handling	
Oct, 16 th	JVT-D126 Response JVT-C116 JVT-C135 JVT-C137 JVT-C138 JVT-D127	Gary Sullivan garysull@microsoft.com	SEI for Gradual Decoder Refresh / Open GOP Color Space Add equivalent support to MPEG-2 & 4 Video If information not present: undefined or defined by system. "Luma/Chroma" terminology agreed. Sequence level. Pixel Aspect Ratios Add equivalent support to H.263+/MPEG-4 If indication is zero, undefined or defined by system. Add the 1/2, 2/3, and 3/4 variants of the nominal SDTV itemized PAR's. Sequence level. 8 bit table. Cropping, Generalized Pan-Scan, Source Formats Cropping and pan-scan concepts adopted. Source format modifications not adopted. TR's, PN's, Pictures, Frames, and Fields 27 MHz support via general time clock support. Dangling field support adopted Separate timing information for each field adopted. SEI for SMPTE-compatible compressed timing adopted Picture numbering aspects for further study Filler Data & SEI for User Data	
Oct, 18 th	JVT-D071	Arturo A. Rodriguez aar@sciatl.com	Transmission of Auxiliary Chroma 420 Information in SEI	
Oct, 22 nd	JVT-C166	Eric Viscito eric.viscito@conexant.com	Definition of HRD for VBR and CBR and low delay mode. Includes method of handling header-level data. CBR can be same as VBR with average rate equal to peak rate. Explicit support of 3:2 pull-down is included. Relationship to other timing-related issues for further study.	
Oct, 24 th	JVT-B022, JVT-D117	Min-Cheol Hong mhong@e.ssu.ac.kr	Range decision for motion est. of VCEG-N33	
Oct, 28 th	JVT-D030	Siwei Ma swma@jdl.ac.cn	Rate Control on JVT Standard	
Oct, 30 th	JVT-D118	Chul-Woo Kim charlie@mcubeworks.com	High-Complexity Mode Decision for Error Prone Channel	