

Code	Classification	Subjective Video Observations
V0	No decode function	No video, or video unstable.
V1	No visible impairments video is useable	No loss of resolution, no macro-block errors, no motion artifacts.
V2	Visible artifacts, but video is useable	Slightly annoying picture artifacts, but no severe blocking errors, or other discontinuous video aberrations.
V3	Visible artifacts, video is unusable	Video is locked and continuous, but with annoying artifacts; such as regular macro-block errors, frame drops, and other discontinuous picture breakups

Encoders	Decoders
NEL / NTT	NEL / NTT
Scientific Atlanta	Scientific Atlanta
Snell & Wilcox	Snell & Wilcox
Tandberg	Tandberg
Thomson / Grass Valley	Thomson / Grass Valley
Tieman	Tieman

	Encoder	Decoder	Video	PCM	MPEG ch1/2	MPEG ch3/4	Notes
1	NEL / NTT	NEL / NTT	v 1	pass	pass	pass	
2	NEL / NTT	Scientific Atlanta					1
3	NEL / NTT	Snell & Wilcox					1
4	NEL / NTT	Tandberg	v 1	pass	pass	pass	
5	NEL / NTT	Thomson / Grass Valley	v 1	pass	pass	pass	
6	NEL / NTT	Tieman	v 1	pass	pass	pass	
7	Scientific Atlanta	NEL / NTT	v 1	pass	pass		6
8	Scientific Atlanta	Scientific Atlanta					1
9	Scientific Atlanta	Snell & Wilcox					1
10	Scientific Atlanta	Tandberg	v 1	pass	pass		6
11	Scientific Atlanta	Thomson / Grass Valley	v 1	pass	pass		6
12	Scientific Atlanta	Tieman	v 1	pass	pass		6
13	Snell & Wilcox	NEL / NTT	v 1		pass	pass	3
14	Snell & Wilcox	Scientific Atlanta					1
15	Snell & Wilcox	Snell & Wilcox					1
16	Snell & Wilcox	Tandberg	v 1		pass	pass	3
17	Snell & Wilcox	Thomson / Grass Valley	v 1		pass	pass	3

18	Snell & Wilcox	Tiernan	v 1		pass	pass	3
19	Tandberg	NEL / NTT	v 1	pass	pass	pass	
20	Tandberg	Scientific Atlanta					1
21	Tandberg	Snell & Wilcox					1
22	Tandberg	Tandberg	v 1	pass	pass	pass	
23	Tandberg	Thomson / Grass Valley	v 1	pass	pass	pass	
24	Tandberg	Tiernan	v 1	fail	pass	pass	4, 5, 10
25	Thomson / Grass Valle	NEL / NTT	v 1	pass	pass	pass	
26	Thomson / Grass Valle	Scientific Atlanta					1
27	Thomson / Grass Valle	Snell & Wilcox					1
28	Thomson / Grass Valle	Tandberg	v 1	pass	pass	pass	
29	Thomson / Grass Valle	Thomson / Grass Valley	v 1	pass	pass	pass	
30	Thomson / Grass Valle	Tiernan	v 1	pass	pass	pass	5
31	Tiernan	NEL / NTT	v 1	fail	pass	pass	8
32	Tiernan	Scientific Atlanta					1
33	Tiernan	Snell & Wilcox					1
34	Tiernan	Tandberg	v 1	fail	pass	pass	9
35	Tiernan	Thomson / Grass Valley	v 1	fail	pass	pass	8
36	Tiernan	Tiernan	v 1	fail	pass	pass	7

NOTES:

- 1 No decoder unit available
- 2 Supplied bitstream is un-decodable ---
- 3 No bitstream available with PCM audio
- 4 No PCM audio decode
- 5 No MPEG2 audio pair 1 decode --- WORKS ON RETEST, JUNE 13, after decoder reboot
- 6 Scientific Atlanta streams have no audio content on MPEG2 AES pair 2
- 7 Two PCM audio dropouts recur at same points
- 8 Single recurring PCM audio dropout at different point than note 7
- 9 Multiple PCM dropouts during playback
- 10 Interprets PCM audio as DolbyE

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Encoders	Decoders
NEL / NTT Scientific Atlanta Snell & Wilcox Tandberg Thomson / Grass Valley Tiernan	NEL / NTT Scientific Atlanta Snell & Wilcox Tandberg Thomson / Grass Valley Tiernan

	Encoder	Decoder	Video	Notes
1	NEL / NTT	NEL / NTT	v1	
2	NEL / NTT	Scientific Atlanta		1
3	NEL / NTT	Snell & Wilcox		1
4	NEL / NTT	Tandberg	v1	
5	NEL / NTT	Thomson / Grass Valley	v1	
6	NEL / NTT	Tiernan	v1	
7	Scientific Atlanta	NEL / NTT	v1	
8	Scientific Atlanta	Scientific Atlanta		1
9	Scientific Atlanta	Snell & Wilcox		1
10	Scientific Atlanta	Tandberg	v1	
11	Scientific Atlanta	Thomson / Grass Valley	v1	
12	Scientific Atlanta	Tiernan	v1	
13	Snell & Wilcox	NEL / NTT	v1	
14	Snell & Wilcox	Scientific Atlanta		1
15	Snell & Wilcox	Snell & Wilcox		1
16	Snell & Wilcox	Tandberg	v1	
17	Snell & Wilcox	Thomson / Grass Valley	v1	
18	Snell & Wilcox	Tiernan	v1	

19	Tandberg	NEL / NTT	v1	
20	Tandberg	Scientific Atlanta		1
21	Tandberg	Snell & Wilcox		1
22	Tandberg	Tandberg	v1	
23	Tandberg	Thomson / Grass Valley	v1	
24	Tandberg	Tiernan	v1	
25	Thomson / Grass Valley	NEL / NTT	v1	
26	Thomson / Grass Valley	Scientific Atlanta		1
27	Thomson / Grass Valley	Snell & Wilcox		1
28	Thomson / Grass Valley	Tandberg	v1	
29	Thomson / Grass Valley	Thomson / Grass Valley	v1	
30	Thomson / Grass Valley	Tiernan	v1	
31	Tiernan	NEL / NTT	v1	
32	Tiernan	Scientific Atlanta		1
33	Tiernan	Snell & Wilcox		1
34	Tiernan	Tandberg	v1	
35	Tiernan	Thomson / Grass Valley	v1	
36	Tiernan	Tiernan	v1	

NOTES: 1 No decoder unit available

Video Subjective Assessments

4-Jun-07 VIDEO FORMAT : 1080i50

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Encoders NEL / NTT Scientific Atlanta Snell & Wilcox Tandberg Thomson / Grass Valley Tiernan	Decoders NEL / NTT Scientific Atlanta Snell & Wilcox Tandberg Thomson / Grass Valley Tiernan
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	Encoder	Decoder	Video	Notes
1	NEL / NTT	NEL / NTT	v1	
2	NEL / NTT	Scientific Atlanta		1
3	NEL / NTT	Snell & Wilcox		1
4	NEL / NTT	Tandberg	v1	
5	NEL / NTT	Thomson / Grass Valley	v1	
6	NEL / NTT	Tiernan	v1	
7	Scientific Atlanta	NEL / NTT		2
8	Scientific Atlanta	Scientific Atlanta		1
9	Scientific Atlanta	Snell & Wilcox		1
10	Scientific Atlanta	Tandberg		2
11	Scientific Atlanta	Thomson / Grass Valley		2
12	Scientific Atlanta	Tiernan		2
13	Snell & Wilcox	NEL / NTT	v1	3
14	Snell & Wilcox	Scientific Atlanta		1
15	Snell & Wilcox	Snell & Wilcox		1
16	Snell & Wilcox	Tandberg	v1	4
17	Snell & Wilcox	Thomson / Grass Valley	v1	3
18	Snell & Wilcox	Tiernan	v3	5

19	Tandberg	NEL / NTT	v1	
20	Tandberg	Scientific Atlanta		1
21	Tandberg	Snell & Wilcox		1
22	Tandberg	Tandberg	v1	
23	Tandberg	Thomson / Grass Valley	v1	
24	Tandberg	Tiernan	v1	
25	Thomson / Grass Valley	NEL / NTT	v1	
26	Thomson / Grass Valley	Scientific Atlanta		1
27	Thomson / Grass Valley	Snell & Wilcox		1
28	Thomson / Grass Valley	Tandberg	v1	
29	Thomson / Grass Valley	Thomson / Grass Valley	v1	
30	Thomson / Grass Valley	Tiernan	v1	
31	Tiernan	NEL / NTT	v1	
32	Tiernan	Scientific Atlanta		1
33	Tiernan	Snell & Wilcox		1
34	Tiernan	Tandberg	v1	
35	Tiernan	Thomson / Grass Valley	v1	
36	Tiernan	Tiernan	v1	

NOTES:

- 1 *No decoder unit available*
- 2 *No 50Hz transport stream is available*
- 3 *Freezes 2 seconds BEFORE splice, should check transport stream*
- 4 *Freezes only at splice point*
- 5 *Frequent video freezing*