

CRS Report for Congress

The V-Chip and TV Ratings: Monitoring Children's Access to TV Programming

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Summary

To assist parents in supervising the television viewing habits of their children, the Communications Act of 1934 (as amended by the Telecommunications Act of 1996) requires that, as of January 1, 2000, new television sets with screens 13 inches or larger sold in the United States be equipped with a "V-chip" to control access to programming that parents find objectionable. Use of the V-chip is optional. In March 1998, the Federal Communications Commission (FCC) adopted the industry-developed ratings system to be used in conjunction with the V-chip. Congress and the FCC have continued monitoring implementation of the V-chip. Some are concerned that it is not effective in curbing the amount of TV violence viewed by children and want further legislation.

In July 2004, the FCC initiated a Notice of Inquiry (NOI) to seek comments relating to the "presentation of violent programming and its impact on children." The Report in this proceeding was released by the FCC on April 25, 2007. In the report, the FCC, among other findings, (1) found that on balance, research provides strong evidence that exposure to violence in the media can increase aggressive behavior in children, at least in the short term; (2) stated that the V-chip is of limited effectiveness in protecting children from violent television content and observed that cable operator-provided advanced parental controls do not appear to be available on a sufficient number of cable-connected television sets to be considered an effective solution at this time; and (3) found that studies and surveys demonstrate that the voluntary TV ratings system is of limited effectiveness in protecting children from violent television content.

Congress may wish to consider a number of possible options to support parents in controlling their children's access to certain programming. Some of these options would require only further educational outreach to parents, while others would require at least regulatory, if not legislative, action. Specifically, Congress may wish to consider ways to promote awareness of the V-chip and the ratings system; whether the current set of media-specific ratings will remain viable in the future or whether a uniform system would better serve the needs of consumers; and whether independent ratings systems and an "open" V-chip that would allow consumers to select the ratings systems they use would be more appropriate than the current system.

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V-Chip and TV Ratings: Monitoring Children's Access to TV Programming

Background

Recent research indicates that 89% of parents are “somewhat” to “very” concerned that “their children are being exposed to too much inappropriate content in entertainment media.”¹ Further, parents cited television as the medium that caused them the most concern.² Although exposure to inappropriate material has long been a concern to parents, only since the Telecommunications Act of 1996³ has there been a nationwide effort to provide parents with a tool to control their children’s television viewing — the V-chip.⁴

The V-chip, which reads an electronic code transmitted with the television signal (cable or broadcast),⁵ is used in conjunction with a television programming rating system. Using a remote control, parents can enter a password and then program into the television set which ratings are acceptable and which are unacceptable. The chip automatically blocks the display of any programs deemed unacceptable; use of the V-chip by parents is entirely optional.⁶

¹ “Parents, Media, and Public Policy: A Kaiser Family Foundation Survey,” Kaiser Family Foundation, Fall 2004, p. 2. Available online at [<http://www.kff.org/entmedia/entmedia092304pkg.cfm>]. (KFF Study)

² KFF Study, p. 2. Specifically, 63% said they were “very concerned” and 26% said they were “somewhat concerned.”

³ Telecommunications Act of 1996, P.L. 104-104, February 8, 1996, available online at [<http://www.fcc.gov/Reports/1934new.pdf>]. The 1996 Act amended the Communications Act of 1934 (47 U.S.C. 101, *et seq.*), updating some existing sections and adding new sections to account for new technologies. One such addition to the law was to mandate the inclusion of a computer chip in new television sets to allow parents more control over the programming viewed by their children (47 U.S.C. 303 (x)). The 1934 Act, as amended by the 1996 Act, is available online at [<http://www.fcc.gov/Reports/tcom1996.pdf>].

⁴ Although commonly believed to be short for “violence,” the V in V-chip is actually short for “ViewControl,” the name given by the inventor of the device. See “V-Chip Technology Invented by Professor Tim Collings,” available online at [<http://www.tri-vision.ca/documents/Collings%20As%20Inventor.pdf>]. See also, “The History of Invention,” available online at [<http://www.cbc.ca/kids/general/the-lab/history-of-invention/vchip.html>].

⁵ The ratings data are sent on line 21 of the Vertical Blanking Interval found in the National Television System Committee (NTSC) signals used for U.S. television broadcasting.

⁶ This report focuses on the use of the V-chip and the ratings system as a tool to assist parents in selecting appropriate television programming for their children. However, both
(continued...)

As of January 1, 2000, all new television sets with a picture screen 13 inches or greater sold in the United States must be equipped with the V-chip.⁷ Additionally, some companies also offer devices that can work with non-V-chip TV sets.

Development of the V-Chip Ratings System

The initial ratings system was developed during 1996 and 1997, but encountered criticism from within Congress as well as from groups such as the National Parent-Teacher Association. In response to those concerns, an expanded ratings system was adopted on July 10, 1997, and went into effect October 1, 1997.

Initial Ratings System

The first step in implementing the mandate of the law was to create a ratings system for television programs, analogous to the one developed and adopted for movies by the Motion Picture Association of America (MPAA) in 1968. The law urged the television industry to develop a voluntary ratings system acceptable to the FCC, and the rules for transmitting the rating, within one year of enactment. The ratings system is intended to convey information regarding sexual, violent or other indecent material about which parents should be informed before it is displayed to children, provided that nothing in the law should be construed to authorize any rating of video programming on the basis of its political or religious content.

After initial opposition, media and entertainment industry executives met with then-President Clinton on February 29, 1996, and agreed to develop the ratings system because of political pressure to do so. Many in the television industry were opposed to the V-chip, fearing that it would reduce viewership and reduce advertising revenues. They also questioned whether it violated the First Amendment. Industry executives said they would not challenge the law immediately, but left the option open should they deem it necessary.

Beginning in March 1996, a group of television industry executives⁸ under the leadership of Jack Valenti, then-President of the MPAA (and a leader in creating the movie ratings), met to develop a TV ratings system. On December 19, 1996, the

⁶ (...continued)

the V-chip and the ratings system can be used by a wide range of viewers, from individuals who, themselves, do not wish to view content they find objectionable to individuals who may be babysitting on an intermittent basis in their homes. Further, the V-chip and the television ratings are closely related to another issue — that of broadcast indecency and how to define and enforce the appropriate use of the public airwaves by the television media. That issue is discussed in greater detail in CRS Report RL32222, *Regulation of Broadcast Indecency: Background and Legal Analysis*, by Henry Cohen.

⁷ 47 U.S.C. 303(x).

⁸ The group included the national broadcast networks; independent, affiliated and public television stations; cable programmers; producers and distributors of cable programming; entertainment and movie studios; and members of the guilds representing writers, directors, producers and actors.

group proposed six age-based ratings (TV-Y, TV-Y7, TV-G, TV-PG, TV-14 and TV-M), including text explanations of what each represented in terms of program content. In January 1997, the ratings began appearing in the upper left-hand corner of TV screens for 15 seconds at the beginning of programs, and were published in some television guides. Thus, the ratings system was used even before V-chips were installed in new TV sets.

Ratings are assigned to shows by the TV Parental Guidelines Monitoring Board. The board has a chairman and six members each from the broadcast television industry, the cable industry, and the program production community. The chairman also selects five non-industry members from the advocacy community, for a total of 24 members.

News shows and sports programming are not rated. Local broadcast affiliates may override the rating given a particular show and assign it another rating.

The Current “S-V-L-D” Ratings System

Critics of the initial ratings system argued that the ratings provided no information on why a particular program received a certain rating. Some advocated an “S-V-L” system (sex, violence, language) to indicate with letters why a program received a particular rating, possibly with a numeric indicator or jointly with an age-based rating. Another alternative was the Home Box Office/Showtime system of ten ratings such as MV (mild violence), V (violence), and GV (graphic violence).

In response to the criticism, most of the television industry agreed to a revised ratings system (see box, below) on July 10, 1997, that went into effect October 1, 1997. The revised ratings system added designators to indicate whether a program received a particular rating because of sex (S), violence (V), language (L), or suggestive dialogue (D). A designator for fantasy violence (FV) was added for children’s programming in the TV-Y7 category. On March 12, 1998, the FCC approved the revised ratings system, along with V-chip technical standards, and the effective date for installing them.⁹

In May 1999, the FCC created a V-chip Task Force, chaired by then-Commissioner Gloria Tristani. Among other things, the task force was charged with ensuring that the blocking technology was available and that ratings were being transmitted (“encoded”) with TV programs; educating parents about V-chip; and gathering information on the availability, usage, and effectiveness of the V-chip. The task force issued several reports and surveys.¹⁰ A February 2000 task force survey found that most broadcast, cable, and premium cable networks, and syndicators, were transmitting ratings (“encoding”) and those that were not either planned to do so in the near future or were exempt sports or news networks. Of the major broadcast and cable networks, only NBC and Black Entertainment Television do not use the S-V-L-D indicators, using the original ratings system instead.

⁹ As of January 1, 2000, all new television sets with a picture screen 13 inches or greater sold in the United States must be equipped with the V-chip.

¹⁰ See [<http://www.fcc.gov/vchip>].

Table 1. U.S. Television Industry's Revised TV Ratings System

	<p>TV-Y All Children This program is designed to be appropriate for all children. Whether animated or live-action, the themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6. This program is not expected to frighten younger children.</p>
	<p>TV-Y7 Directed to Older Children This program is designed for children age 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy or comedic violence, or may frighten children under the age of 7. Therefore, parents may wish to consider the suitability of this program for their very young children.</p>
	<p>TV-Y7-FV Directed to Older Children-Fantasy Violence For those programs where fantasy violence may be more intense or more combative than other programs in the TV-Y7 category, such programs will be designated TV-Y7-FV.</p>
	<p>TV-G General Audience Most parents would find this program appropriate for all ages. Although this rating does not signify a program designed specifically for children, most parents may let younger children watch this program unattended. It contains little or no violence, no strong language and little or no sexual dialogue or situations.</p>
	<p>TV-PG Parental Guidance Suggested This program contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The theme itself may call for parental guidance and/or the program contains one or more of the following: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).</p>
	<p>TV-14 Parents Strongly Cautioned This program contains some material that many parents would find unsuitable for children under 14 years of age. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).</p>
	<p>TV-MA Mature Audience Only This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17. This program contains one or more of the following: graphic violence (V), explicit sexual activity (S), or crude indecent language (L).</p>

Federal Communications Commission Action

On April 25, 2007, the FCC released a report on the “presentation of violent programming and its impact on children.”¹¹ In the report, the FCC —

- found that on balance, research provides strong evidence that exposure to violence in the media can increase aggressive behavior in children, at least in the short term;
- noted that although viewer-initiated blocking and mandatory ratings would impose lesser burdens on protected speech, skepticism remains that they will fully serve the government’s interests in promoting parental supervision and protecting the well-being of minors;
- stated that the V-chip is of limited effectiveness in protecting children from violent television content;
- observed that cable operator-provided advanced parental controls do not appear to be available on a sufficient number of cable-connected television sets to be considered an effective solution at this time;
- stated that further action to enable viewer-initiated blocking of violent television content would serve the government’s interests in protecting the well-being of children and facilitating parental supervision and would be reasonably likely to be upheld as constitutional;
- found that studies and surveys demonstrate that the voluntary TV ratings system is of limited effectiveness in protecting children from violent television content;
- stated that Congress could develop an appropriate definition of excessively violent programming, but such language needs to be narrowly tailored and in conformance with judicial precedent;
- suggested that industry could on its own initiative commit itself to reducing the amount of excessively violent programming viewed by children (e.g., broadcasters could adopt a family hour at the beginning of prime time, during which they decline to air violent content);
- observed that multichannel video programming providers (MVPDs) could provide consumers greater choice in how they purchase their

¹¹ *In the Matter of Violent Television Programming and its Impact on Children* (FCC 04-175, MB Docket 04-261), Notice of Inquiry (NOI), Adopted July 15, 2004; Released July 28, 2004. The NOI is available online at [http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-07-50A1.pdf].

programming so that they could avoid violent programming. (e.g., an a la carte regime would enable viewers to buy their television channels individually or in smaller bundles); and

- found that Congress could implement a time channeling solution and/or mandate some other form of consumer choice in obtaining video programming, such as the provision by MVPDs of video channels provided on family tiers or on an a la carte basis (e.g., channel blocking and reimbursement).

Congressional Action

Since 2003, the television industry and the FCC faced increasing scrutiny for what was perceived by many in Congress, as well as the public, as a sharp increase in the amount of indecent programming. Two of the most notable events that have taken place with respect to this issue were the FCC's determination that the use of the "f-word" by an artist during an award ceremony was not indecent and, four days later, an incident during the Super Bowl XXXVIII half-time show that included a performance in which one of the entertainer's breasts was revealed.

110th Congress

Thus far, there has been no legislation introduced specifically on the issue of media violence or the V-chip; however, the Senate and the House of Representatives have each held one hearing:

- The Senate Committee on Commerce, Science, and Transportation held a hearing, "Impact of Media Violence on Children," on June 26, 2007.¹² The hearing focused on issues related to the impact of violent television programming on children, including issues raised by the FCC report, "Violent Television Programming And Its Impact On Children."
- The House Committee on Energy and Commerce Subcommittee on Telecommunications and the Internet held a hearing, "Images Kids See on the Screen," on June 22, 2007.¹³ The hearing included

¹² The hearing webpage containing witness statements and the archived video is online at [http://commerce.senate.gov/public/index.cfm?FuseAction=Hearings.Hearing&Hearing_ID=1879]. See also, Broadcasting & Cable, "TV Hammered In Violence Hearing," by John Eggerton, June 26, 2007. Available online at [<http://www.broadcastingcable.com/article/CA6455579.html>].

¹³ The hearing webpage containing witness statements and the archived video is online at [http://energycommerce.house.gov/cmte_mtg/110-ti-hrg.062207.ImagesKidsSEE.shtml]. See also, Broadcasting & Cable, "Markey Calls V-chip Limited Success," by John Eggerton, June 22, 2007. Available online at [<http://www.broadcastingcable.com/article/CA6454591.html>].

discussion of advertising for junk food aimed at children and on the inability of the V-chip to screen out undesirable advertising.

109th Congress

During the 109th Congress, Senators John Rockefeller and Kay Bailey Hutchison introduced S. 616, the Indecent and Gratuitous and Excessively Violent Programming Control Act, on March 14, 2005. Specifically with respect to the television ratings and the V-chip, S. 616 would have required the FCC to assess the effectiveness of both the ratings system and the V-chip and report annually on its findings. Further, if the FCC were to find that the ratings system and V-chip did not adequately protect children from excessive violent and sexual content, it would be required to undertake a rulemaking to require broadcasters to do more to protect children from such content, including whether to use a new system not developed by the industry. The bill would also have required more consistent and meaningful labeling of violent and sexual content, to include re-broadcasting such labeling for 30 seconds every 30 seconds, whether the programming was received via broadcast, cable, or satellite. S. 616 was referred to the Committee on Commerce, Science, and Transportation on March 14, 2005; no further action was taken.¹⁴

Effectiveness of the V-Chip: Current Research

Since 1998, the Kaiser Family Foundation (KFF) has conducted ongoing research into the impact of media violence on children and the effectiveness of the V-chip and television ratings as tools for parents to control access to undesirable television content.¹⁵ In the Foundation's most recent report, "Parents, Media, and Public Policy: A Kaiser Family Foundation Survey," (KFF Study)¹⁶ a majority of parents reported that they were "very" concerned about the amount of sex (60%) and violence (53%) their children are exposed to on TV.¹⁷

Overall, the parents interviewed for the study stated that they were more concerned about inappropriate content on TV than in other media: 34% said TV concerned them most, compared to 16% who said the Internet, 10% movies, 7% music, and 5% video games. Half (50%) of all parents said they have used the TV

¹⁴ This bill also contains a measure related to increasing fines for violating rules on indecent programming, but that issue is outside the scope of this report. For more information on that topic, please refer to CRS Report RL32222, *Regulation of Broadcast Indecency: Background and Legal Analysis*, by Henry Cohen.

¹⁵ See Kaiser Family Foundation, Program on Study of Entertainment Media & Health: Television/Video, [<http://www.kff.org/entmedia/tv.cfm>].

¹⁶ "Parents, Media, and Public Policy: A Kaiser Family Foundation Survey," Kaiser Family Foundation, Fall 2004 (KFF Study). The survey of 1,001 parents of children ages 2-17 was conducted in July and August 2004.

¹⁷ KFF Study, p. 3.

ratings to help guide their children's viewing, including one in four (24%) who said they use them "often."¹⁸

Furthermore, the study revealed that while use of the V-chip has increased substantially since 2001, when 7% of all parents said they used it, it remains modest at just 15% of all parents, or about four in 10 (42%) of those who have a V-chip in their television and know it. Nearly two-thirds (61%) of parents who have used the V-chip said they found it "very" useful.¹⁹

Other significant findings reported included:

- After being read arguments on both sides of the issue, nearly two-thirds of parents (63%) said they favored new regulations to limit the amount of sex and violence in TV shows during the early evening hours, when children were most likely to be watching (35% are opposed).²⁰
- A majority (55%) of parents said ratings should be displayed more prominently and 57% said they would rather keep the current rating systems than switch to a single rating for TV, movies, video games, and music (34% favor the single rating).²¹
- When read the competing arguments for subjecting cable TV to the same content standards as broadcasters, half of all parents (52%) said that cable should be treated the same, while 43% said it should not.²²
- Most parents who have used the TV ratings said they found them either "very" (38%) or "somewhat" (50%) useful.²³
- About half (52%) of all parents said most TV shows are rated accurately, while about four in ten (39%) said most are not.²⁴
- Many parents do not understand what the various ratings guidelines mean. For example, 28% of parents of young children (2-6 years old) knew what the rating TV-Y7 meant (directed to children age 7 and older) while 13% thought it meant the opposite (directed to children under 7); and only 12% knew that the rating FV ("fantasy

¹⁸ KFF Study, p. 2.

¹⁹ KFF Study, p. 7.

²⁰ KFF Study, p. 8.

²¹ Ibid.

²² Ibid.

²³ KFF Study, p. 5.

²⁴ Ibid.

violence”) is related to violent content, while 8% thought it meant “family viewing.”²⁵

In releasing the survey results, Vicky Rideout, Vice President and Director of the Kaiser Family Foundation’s Program for the Study of Entertainment Media and Health, commented, “While many parents have used the ratings or the V-chip, too many still don’t know what the ratings mean or even that their TV includes a V-chip.”²⁶

A number of groups conducted research and published opinion pieces questioning the usefulness and/or legality of the V-chip and the ratings system after the 1996 Telecommunications Act was enacted (e.g., the American Civil Liberties Union, Cato Institute, Morality in Media). Since that time, opposition has waned and even the recent controversies did not renew it. Further, while the V-chip and the ratings system can block objectionable or indecent programming when used in tandem, since the incidents were broadcast “live” and did not have ratings that would have blocked them, neither the V-chip nor the ratings system would have been effective in either case. Therefore, some could claim that the V-chip and the ratings system, while useful tools in many cases, remain unreliable tools for parents because they cannot guarantee all objectionable content will be blocked.

Issues for Congress

Congress may wish to consider a number of possible options to support parents in monitoring and controlling their children’s access to certain programming. Some of these options would require only further educational outreach to parents, while others would require at least regulatory, if not legislative action.

Awareness of the V-Chip and the Ratings System

According to the 2004 KFF Study, parents also indicated that they would like to see the ratings displayed more prominently to make it easier to notice them. Such findings are consistent with a lack of wide-spread usage or even awareness of the V-chip. Specifically, as noted above, the 2004 KFF study indicated that even after years of being available, only 42% of parents who have a V-chip and are aware of it actually use it. However, of the parents that had used the V-chip, 89% found it “somewhat” to “very” useful.²⁷ Those figures would indicate that increased knowledge of the V-chip would substantially increase parents’ perceptions of control over their children’s television viewing.

²⁵ KFF Study, p. 6.

²⁶ KFF News Release, “Parents Favor New Limits on TV Content in Early Evening Hours; Half of Parents Say Cable TV Should Adhere to Same Standards as Broadcast TV; Use of the V-Chip is Up,” September 23, 2004. Available online at [<http://www.kff.org/entmedia/entmedia092304nr.cfm>].

²⁷ KFF Study, p. 7.

One of the easiest approaches to increasing the use of the V-chip may likely be to step up parental awareness programs through, for example, public service announcements on television, educational materials on the FCC website, and possibly public service advertisements in print media. Additionally, such educational materials could be made available on Congressional Member websites for constituents to download. Such actions would not require any new legislation or additional work by the ratings board or related entities; however, some initially may require funding.

Media-Specific vs. Uniform Ratings

One of the ongoing issues related to the use of the V-chip is that, according to the KFF study, only about half of parents actually use the television ratings. That is low in comparison with the movie ratings, which are used by approximately 78% of parents, but in line with the use of ratings for music and video games.²⁸ One contributor to the low use of the ratings is likely that so few parents actually understand the ratings. For example, as stated earlier, only 12% of parents of young children knew that “FV” is the rating for Fantasy Violence; further, 8% believed it to mean “Family Viewing.” As noted by the researchers in their report, the FV rating “is the only rating that denotes anything about the violent content of children’s programming, one of the impetuses for the development of the ratings system” in the first place. Finally, overall, 20% of parents had never even heard of the ratings system.²⁹

In light of those figures, it could appear that parents might prefer a single, unified ratings system that would be applied across different media. However, while 34% of parents said they would prefer a unified system, 57% opposed a unified system.³⁰ Given the overall findings by KFF regarding parents’ knowledge and use of the ratings system, there appears to be enough ambiguity on this issue to warrant further investigation by Congress.

Independent Ratings Systems and an “Open” V-Chip

Under current legislative and regulatory mandates, the V-chip is only required to “read” the TV Parental Guidelines and the MPAA (movie) Ratings. This means that any independent system can only be used to augment parental knowledge, not to program the V-chip. So, while a range of varied, independent ratings systems can serve to provide additional information to parents, they cannot be used with the current closed V-chip technology. In order for these ratings to become as useful as possible, the V-chip would have to be able to read them.

The opportunity to encourage the further development of private ratings systems exists in the transition to digital television. Beginning in April 2005, all broadcasters must simulcast 100 percent of their National Television System Committee (commonly referred to as “NTSC”) programming on their digital channel; by the end

²⁸ KFF Study, p. 4.

²⁹ KFF Study, p. 6.

³⁰ KFF Study, p. 8.

of 2006, broadcasters must turn off their analog signal.³¹ Through either regulatory (i.e., FCC) or legislative action, television manufacturers could be required to install an open V-chip that could be reprogrammed to read altered or even completely new ratings. An “open” V-chip requirement would allow changes to the current system to be read as well as accommodate any other ratings system(s). This issue is currently under consideration at the FCC.³²

Related Reading

Other Reports and Documents

“Parents, Media, and Public Policy: A Kaiser Family Foundation Survey,” Kaiser Family Foundation, Fall 2004, [<http://www.kff.org/entmedia/entmedia092304pkg.cfm>].

“V-chip Frequently Asked Questions,” Children Now, [<http://www.childrennow.org/media/vchip/vchip-faq.html>].

“Summary of Focus Group Research on Media Ratings Systems,” A Study Commissioned by PSV Ratings, Inc., Spring 2003, [http://www.independentratings.org/Parents_Views.pdf].

Websites

Federal Communications Commission V-chip Information, [<http://www.fcc.gov/vchip/>].

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³¹ The December 31, 2006, deadline may be extended under a number of circumstances, detailed in CRS Report RL31260, *Digital Television: An Overview*, by Lennard Kruger.

³² *In the Matter of Second Periodic Review of the Commission’s Rules and Policies Affecting the Conversion To Digital Television*, MB Docket No. 03-15, RM 9832, Report and Order, September 4, 2004, paras. 154-159. Available online at [http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-04-192A1.pdf]. One issue that remains under consideration involves new language concerning the V-chip and how it will be incorporated into digital television sets. The Consumer Electronics Association (CEA) filed a petition to change the language that the FCC adopted in the Order. That petition is available online at [http://hraunfoss.fcc.gov/edocs_public/attachmatch/DA-03-1292A1.pdf]. The opposition to CEA’s Petition for Reconsideration by Tri-Vision (the inventor of the V-chip) is available online at [<http://www.tri-vision.ca/documents/2004/FCC%20Tri-vision%20Opposition.pdf>].

See also *In the Matter of Children’s Television Obligations of Digital Television Broadcasters*, MM Docket No. 00-167, Report and Order and Further Notice of Proposed Rulemaking, November 23, 2004, paras. 62-65. Available online at [http://hraunfoss.fcc.gov/edocs_public/attachmatch/FCC-04-221A1.pdf].