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9  
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11 [Additional Counsel Listed On Signature Page]

12 **UNITED STATES DISTRICT COURT**  
13 **NORTHERN DISTRICT OF CALIFORNIA**

14  
15 IN RE SONY PS3 "OTHER OS"  
16 LITIGATION

CASE NO. CV-10-1811 SC

**SECOND AMENDED CONSOLIDATED  
CLASS ACTION COMPLAINT**

**DEMAND FOR JURY TRIAL**

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21 This Complaint supersedes and amends all previously filed Complaints in the consolidated  
22 actions herein. Plaintiffs Anthony Ventura, Jonathan Huber, Jason Baker, James Girardi, and  
23 Derrick Alba, on behalf of themselves and all others similarly situated, based on personal  
24 knowledge, the investigation of their counsel, and on information and belief, allege the following  
25 against Defendant Sony Computer Entertainment America LLC:  
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**NATURE OF ACTION**

1. Defendant Sony Computer Entertainment America LLC, formerly Sony Computer Entertainment America, Inc. (referred to herein as “Defendant” or “SCEA”), in conjunction with related Sony entities and affiliates, is one of the world’s leading manufacturers of advanced video gaming and computer entertainment systems. Defendant’s PlayStation® 3 video game console (“PS3”) has been purchased by approximately 48 million consumers across the globe.

2. Since it first introduced the PS3 in 2006, SCEA and its Sony partners have engaged in an extensive advertising campaign in an effort to distinguish itself from and beat out competitors in the gaming console and video game markets. SCEA advertised, promoted, marketed, and sold the PS3 as more than just a video game console. Indeed, SCEA’s slogan for the PS3 has been: “It only does everything.” Before April 1, 2010, “everything” included the ability of the PS3 to function as a personal computer. SCEA touted the additional features of the PS3, including its ability to function as a personal computer through what is called the “Other OS” feature, as the reason for its premium price point above that of its competitors such as Nintendo’s Wii and Microsoft’s X-Box 360.

3. One of the unique features that SCEA specifically advertised, promoted, and marketed was the PS3’s ability to operate as an upgradeable “computer” in addition to its use as a gaming console. The computer features were not a part of the standard “Game OS” that came with the console (which also allowed users to access the Internet, for example, through a limited browser). The PS3 was able to operate as a computer through its newly developed processor and the Other OS feature, which enabled users to install Linux as another Operating System (“OS”) on the PS3 and then use the PS3 as a personal computer.

1           4.       SCEA also advertised, promoted, and marketed the fact that the PS3 could be  
2 updated through “firmware updates” that SCEA would directly provide to users as part of their  
3 purchase of the PS3, ensuring users would be able to constantly upgrade their systems. Users did  
4 not just purchase a simple gaming console from a retailer; they were told they were purchasing a  
5 constantly evolving gaming console *and* computer that was promoted as having a lifespan of at  
6 least a decade as a result of the ability to upgrade it through SCEA’s direct updates.  
7

8           5.       The ability to run another OS, such as Linux, allowed PS3 users to perform  
9 functions on their PS3 previously available only on personal computers. For example, if PS3 users  
10 installed Linux, they had the ability to download and engage digital media unsupported by the  
11 PS3’s native operating system “Game OS,” use word processing, photo and video editing software,  
12 call upon tens of thousands of freely available applications for the Linux operating system, and  
13 even write their own computer programs using the full suite of development tools available to  
14 Linux users. Initially, SCEA actively encouraged these efforts and provided direct support for  
15 them by, for example, setting up and funding competency research centers that incorporated Sony  
16 PS3s as stand-alone and clustered computer systems to promote the use of the Linux OS on PS3s.  
17

18           6.       With “PS3 clusters,” users could interconnect multiple PS3 units, taking advantage  
19 of the advanced computer processor and Linux applications, to create “super-computers” built  
20 from these commodity systems. Indeed, based on SCEA’s representations of the computer  
21 functionality of the PS3, numerous entities, including the United States Air Force and United  
22 States Immigration and Customs Enforcement, purchased PS3 units for the sole purpose of linking  
23 them together to create these “clusters” that enabled high-powered computer research. SCEA was  
24 not only aware of these efforts, but actively supported them until the internal decision was made to  
25 remove this feature to save money.  
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1           7.       As another example of SCEA’s promotion of the computer functionality of the PS3,  
2 in 2006, SCEA engaged Terra Soft Solutions of Colorado to develop a supercomputing facility that  
3 would house a massive PS3 cluster, which was to be made available for free to universities  
4 engaged in life sciences research. Those researchers could then use the PS3 computing cluster  
5 remotely to improve their research and test new models.

6           8.       In addition to the computer functionality realized through the Other OS and  
7 firmware upgrades, SCEA also advertised, promoted, and marketed the unified online gaming  
8 service called the PlayStation Network (“PSN”). The PSN enables online gaming, access to the  
9 PlayStation Store, PlayStation Home and other services. It was available to all PS3 purchasers as  
10 part of their purchase of the product.

11           9.       SCEA also represented that the PS3, like its predecessor the PlayStation 2, had a  
12 lifespan of 10 years. For example, in an interview with CNET News, Sony Computer  
13 Entertainment of America President Kaz Hirai stated in August 2006 that consumers can expect to  
14 use the PS3s for 10 years. As late as February 14, 2011, SCEA’s director of corporate  
15 communications, Patrick Seybold, confirmed the PS3’s 10-year lifespan. Based on SCEA’s  
16 representations about the PS3, SCEA’s customers reasonably expected to be able to use the PS3’s  
17 advertised features, including the Other OS feature, for at least ten years. Sony never informed  
18 consumers that it retained the purported right (or even had the ability) to terminate core advertised  
19 features of the PS3, such as the ability to install another OS.

20           10.      On April 1, 2010, however, SCEA released a software update for the PS3,  
21 Firmware version 3.21 (hereinafter referred to as the “Update 3.21”), that intentionally disabled the  
22 Other OS feature that had allowed the PS3 to be operated as a personal computer through Linux.  
23 SCEA publicly stated that this firmware update was for “security reasons” as a pretext to justify  
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1 the decision under the language of its System Software License Agreement (“SSLA”), its Limited  
2 Hardware Warranty And Liability (“Warranty”), and its Terms of Service and User Agreement  
3 (“TOS”). As discussed herein, this alleged justification was false. SCEA removed this advertised  
4 and promoted feature of the PS3 to save money and was not authorized to do so under any  
5 agreements allegedly entered into between it and the Class. SCEA has thus far refused to  
6 compensate PS3 purchasers or return the Other OS feature.  
7

8 11. Even if “security reasons” did play some role in the release of Update 3.21,  
9 however, no language in the SSLA, Warranty and TOS authorized the removal of the PS3’s  
10 advertised features. Moreover, SCEA failed to adequately disclose that it retained the purported  
11 right to remove a core advertised feature so under the SSLA, Warranty and TOS. SCEA  
12 advertised and promoted that the firmware updates were intended to extend the console’s life span  
13 and add functionality to the PS3, not destroy it.  
14

15 12. If “security reasons” were truly a concern, SCEA could also have taken other less  
16 intrusive or extreme measures, rather than disabling the Other OS feature, to address its purported  
17 concerns, such as banning users who violated its Terms of Service from the PSN, as it recently  
18 announced it would do. SCEA has the ability to determine if players’ conduct constitutes breaches  
19 of the purported agreements with SCEA by having unauthorized software or having “jail-broken”  
20 their consoles.  
21

22 13. SCEA told users that they would not have to download Update 3.21 if they did not  
23 wish to do so. SCEA’s decision to implement Update 3.21 placed Plaintiffs and Class members in  
24 a “Hobson’s Choice.” PS3 owners who chose not to install Update 3.21 could no longer access  
25 many of the *other* important PS3 features including the PSN, the ability to play games online, the  
26 ability to access online features, or the ability to play newer PS3 games and/or Blu-ray discs that  
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1 required Update 3.21. On the other hand, PS3 owners who did install Update 3.21 lost all access  
2 to the computer functionality of the PS3's Other OS feature.

3 14. Plaintiffs and other purchasers paid significant sums and a premium for the  
4 advertised features of the PS3, including the Other OS feature and access to the PSN. These  
5 features were part of the basis of the bargain between purchasers and SCEA. Either way, by  
6 installing Update 3.21 or by not installing Update 3.21, users lost access to core advertised,  
7 promoted features for which SCEA has refused to offer any compensation.  
8

9 15. Plaintiffs have suffered injury in fact and have lost money and property as a direct  
10 result of Defendant's acts. Plaintiffs and the class members have paid more for a product than they  
11 otherwise would have paid had those advertised features not been available and they are owed a  
12 refund of some or all of their entire purchase price.  
13

14 16. Plaintiffs bring this action on behalf of a proposed nationwide class of similarly  
15 situated persons who purchased a PS3 containing the Other OS feature and who had not yet used  
16 Other OS, or who did use the feature and either did, or did not install Update 3.21. Plaintiffs, on  
17 behalf of themselves and the proposed Class, hereby seek damages, injunctive relief, and any other  
18 relief the Court deems just.  
19

## 20 PARTIES

### 21 **Plaintiffs and Proposed Class Representatives**

22 17. Plaintiff ANTHONY VENTURA is a citizen of California and resides in Santa  
23 Clara, California. He purchased a PS3 in or around July 2007 for \$499.00 plus tax. He purchased  
24 the PS3 for personal, family, and/or household purposes. Before purchasing the PS3, Plaintiff was  
25 exposed to Defendant's long-term and extensive advertising campaign regarding the PS3's  
26 features, including the Other OS. Before purchasing the PS3, Plaintiff recalls reviewing and  
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1 relying upon representations about the PS3's features, including the Other OS feature which would  
2 allow the PS3 to have computer functionality, the ability to access the PSN, play Blu-ray movies  
3 and play video games; the PS3's 10-year lifespan; and that there would be updates issued to  
4 maintain or upgrade the PS3's features. Plaintiff conducted research before making his purchase,  
5 including on the Internet, and recalls reviewing SCEA's website, articles on the Internet, and the  
6 PS3 box before making the purchase. Plaintiff relied on SCEA's representations about the PS3's  
7 features in making his purchase. These representations were a substantial factor in influencing  
8 Plaintiff's decision to buy the PS3. Plaintiff was not aware that SCEA retained the purported right  
9 to disable core advertised features of the PS3, such as the Other OS, and would do so when it  
10 became expedient and to save money. Such a disclosure would have been material in Plaintiff's  
11 purchasing decision and/or the amount Plaintiff would have paid for the product.  
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14 18. Plaintiff JONATHAN HUBER is a citizen of Tennessee and resides in Knoxville,  
15 Tennessee. Mr. Huber purchased a PS3 on or around December 26, 2006 for \$599.00 plus tax. He  
16 purchased the PS3 for personal, family, and/or household purposes. Before purchasing the PS3,  
17 Plaintiff was exposed to Defendant's long-term and extensive advertising campaign regarding the  
18 PS3's features, including the Other OS. Before purchasing the PS3, Plaintiff recalls reviewing and  
19 relying upon representations about the PS3's features, including the Other OS feature which would  
20 allow the PS3 to have computer functionality, the ability to access the PSN, play Blu-ray movies  
21 and play video games; the PS3's 10-year lifespan; and that there would be updates issued to  
22 maintain or upgrade the PS3's features. Plaintiff conducted research before making his purchase,  
23 including on the Internet, and recalls reviewing SCEA's website and articles on the Internet before  
24 making the purchase. Plaintiff relied on SCEA's representations about the PS3's features in  
25 making his purchase. These representations were a substantial factor in influencing Plaintiff's  
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1 decision to buy the PS3. Plaintiff was not aware that SCEA retained the purported right to disable  
2 core advertised features of the PS3, such as the Other OS, and would do so when it became  
3 expedient and to save money. Such a disclosure would have been material in Plaintiff's  
4 purchasing decision and/or the amount Plaintiff would have paid for the product.

5           19. Plaintiff JASON BAKER is a citizen of North Dakota and resides in Grand Forks,  
6 North Dakota. Mr. Baker purchased a PS3 the weekend of March 15-16, 2007 for \$599.99 plus  
7 tax. He purchased the PS3 for personal, family, and/or household purposes. Before purchasing the  
8 PS3, Plaintiff was exposed to Defendant's long-term and extensive advertising campaign regarding  
9 the PS3's features, including the Other OS. Before purchasing the PS3, Plaintiff recalls reviewing  
10 and relying upon representations about the PS3's features, including the Other OS feature, the  
11 ability to access the PSN, play Blu-ray movies and play video games; and that there would be  
12 updates issued to maintain or upgrade the PS3's features. Plaintiff conducted research before  
13 making his purchase, including on the Internet, and recalls reviewing SCEA's website and articles  
14 on the Internet and in magazines before making the purchase. Plaintiff relied on SCEA's  
15 representations about the PS3's features in making his purchase. These representations were a  
16 substantial factor in influencing Plaintiff's decision to buy the PS3. Plaintiff was not aware that  
17 SCEA retained the purported right to disable core advertised features of the PS3, such as Other  
18 OS, and would do so when it became expedient and to save money. Such a disclosure would have  
19 been material in Plaintiff's purchasing decision and/or the amount Plaintiff would have paid for the  
20 product.  
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24           20. Plaintiff JAMES GIRARDI is a resident and citizen of Wilmington, Massachusetts.  
25 He purchased a PS3 on March 1, 2008 for \$399.99 plus tax. He purchased the PS3 for personal,  
26 family, and/or household purposes. Before purchasing the PS3, Plaintiff was exposed to  
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1 Defendant's long-term and extensive advertising campaign regarding the PS3's features, including  
2 the Other OS. Before purchasing the PS3, Plaintiff recalls reviewing and relying upon  
3 representations about the PS3's features, including the Other OS feature which would allow the  
4 PS3 to have computer functionality, the ability to access the PSN, play Blu-ray movies and play  
5 video games; and that there would be updates issued to maintain or upgrade the PS3's features.  
6 Plaintiff conducted research before making his purchase, including on the Internet. Plaintiff relied  
7 on SCEA's representations about the PS3's features in making his purchase. These representations  
8 were a substantial factor in influencing Plaintiff's decision to buy the PS3. Plaintiff was not aware  
9 that SCEA retained the purported right to disable core advertised features of the PS3, such as the  
10 Other OS, and would do so when it became expedient and to save money. Such a disclosure  
11 would have been material in Plaintiff's purchasing decision and/or the amount Plaintiff would have  
12 paid for the product.  
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15 21. Plaintiff DERRICK ALBA is a resident and citizen of Chicago, Illinois. He  
16 purchased a PS3 in or around September 14, 2007 for \$499.99 from Amazon.com. He purchased  
17 the PS3 for personal, family, and/or household purposes. Before purchasing the PS3, Plaintiff was  
18 exposed to Defendant's long-term and extensive advertising campaign regarding the PS3's  
19 features, including the Other OS. Before purchasing the PS3, Plaintiff recalls reviewing and  
20 relying upon representations about the PS3's features, including the Other OS feature which would  
21 allow the PS3 to have computer functionality, the ability to access the PSN, play Blu-ray movies  
22 and play video games; the PS3's 10-year lifespan; and that there would be updates issued to  
23 maintain or upgrade the PS3's features. Plaintiff conducted research before making his purchase,  
24 including on the Internet, and recalls reviewing SCEA's website. Plaintiff relied on SCEA's  
25 representations about the PS3's features in making his purchase. These representations were a  
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1 substantial factor in influencing Plaintiff's decision to buy the PS3. Plaintiff was not aware that  
2 SCEA retained the purported right to disable core advertised features of the PS3, such as the Other  
3 OS, and would do so when it became expedient and to save money. Such a disclosure would have  
4 been material in Plaintiff's purchasing decision and/or the amount Plaintiff would have paid for the  
5 product.

6  
7 **DEFENDANT**

8 22. Defendant Sony Computer Entertainment America, LLC is a Delaware entity with  
9 its principal place of business in Foster City, California. During the time of the development of the  
10 PS3 and Update 3.21, SCEA was a wholly-owned subsidiary of Sony Computer Entertainment,  
11 Inc. ("SCEI"). It is now a wholly owned subsidiary of Sony Corporation of America, Inc.  
12 ("Sony").  
13

14 23. Sony, based in New York, NY, is the U.S. subsidiary of Sony Corporation,  
15 headquartered in Tokyo, Japan. Sony also worked with SCEI and SCEA to develop and promote  
16 Linux on the PS3 through the use of Other OS feature.

17 24. SCEA's website states: "Sony Computer Entertainment America LLC (SCEA) is  
18 responsible for keeping PlayStation® growing and thriving in the United States, Canada and Latin  
19 America. Based in Foster City, California, SCEA serves as headquarters for all North American  
20 operations and is a wholly owned subsidiary of Sony Corporation of America Inc."  
21

22 25. SCEA markets, promotes, advertises, and sells PlayStation video game consoles  
23 throughout the United States, including the PS3 at issue here – at all pertinent times acting as the  
24 North American agent of SCEI and/or Sony. SCEA also services PS3 units sold in the United  
25 States. These activities are directed through SCEA's headquarters in Foster City, California.  
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**INTRADISTRICT ASSIGNMENT**

1  
2 30. Pursuant to Local Rules 3-2(c) and 3-5(b), this action should be assigned to the San  
3 Francisco Division of California because Defendant resides in the County of San Mateo.

**CHOICE OF LAW**

4  
5 31. California law governs the state law claims asserted herein by Plaintiffs and the  
6 Class Members. In its Terms of Service and User Agreement (“TOS”), which all users must agree  
7 to prior to signing into the PSN and to which SCEA contends all users are bound, SCEA states:  
8 “Except as otherwise required by applicable law, this Agreement shall be construed and interpreted  
9 in accordance with the laws of the State of California applying to contracts fully executed and  
10 performed within the State of California.”

11  
12 32. Upon information and belief, SCEA’s acts and omissions alleged herein were  
13 orchestrated and implemented at and through Defendant’s headquarters in California.

14  
15 33. California has a substantial interest in protecting the rights and interests of  
16 California and other U.S. residents against wrongdoing by a company based in California, which  
17 interest is greater than that of any other State.

18  
19 34. Application of California law with respect to Plaintiffs’ and the Class Members’  
20 claims is neither arbitrary nor fundamentally unfair because California has significant contacts and  
21 a significant aggregation of contacts that give California a substantial interest in the claims of the  
22 Plaintiffs and the Nationwide Class.

**FACTUAL ALLEGATIONS**

**SCEA and PS3 Background**

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25 35. Defendant, SCEA, was founded in 1994 to act as the North American marketing,  
26 sales, and servicing agent and division of SCEI.  
27

1           36.     Originally a division of Sony Electronic Publishing, as part of a worldwide  
2 restructuring at the beginning of 1997, Sony Computer Entertainment America Inc. (currently  
3 Sony Computer Entertainment America LLC) was reestablished as a wholly owned subsidiary of  
4 SCEI.

5           37.     According to its website, SCEA is responsible “for keeping PlayStation® growing  
6 and thriving in the United States . . . .” During the release of Update 3.21 and during the key  
7 events outlined in this Complaint, SCEA was a direct subsidiary of SCEI. In 2010, as part of  
8 another restructuring, SCEA became a wholly owned subsidiary of Sony and SCEI became its  
9 sister corporation.  
10

11           38.     SCEA, SCEI and Sony Corporation of America have jointly developed, promoted,  
12 advertised, marketed, and supported the PS3 and the Other OS feature and the other features  
13 discussed herein.  
14

15           39.     The PlayStation brand has been wildly successful. In 1995, the original PlayStation  
16 game console (“PS1”) was introduced in the United States. More than 100,000 units were sold  
17 during its debut weekend and more than one million units were sold within the first six months.  
18

19           40.     SCEA and its Sony partners later introduced the Playstation 2 (“PS2”), which was  
20 also successful. SCEA’s website states: “Now in the tenth year of its product lifecycle,  
21 PlayStation® 2 is still going strong and continues to be one of the world’s most popular video  
22 game systems, with more than 50 million units sold in North America alone. During its lifespan,  
23 PS2® not only has pushed video gaming to the forefront of entertainment, but also introduced the  
24 concept of an entertainment system becoming a hub in the living room. To date the PlayStation®2  
25 system has served as the entertainment centerpiece in many living rooms, accounting for one in  
26 three homes across the U.S.”  
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1           46.     According to the authors of the book, with the PS1 and PS2's phenomenal success,  
2 Kutaragai felt that he must and could realize a grander dream for the broadband market looming on  
3 the horizon. He wanted the PS3 to be a *personal computer* that also played games, with a chip that  
4 could take on roles in many broadband applications, from on-demand television to online gaming  
5 to real-time video chats.

6           47.     Most computer or game machine processing chips are built upon the foundations of  
7 earlier chips that are already in use. Designing a new chip from the ground up is a costly and time-  
8 intensive process. Instead of modifying an existing chip, however, which would have been less  
9 expensive and taken less time, Kutaragi insisted on the development of an entirely new chip  
10 design. Kutaragi challenged the IBM engineers designing the chip to create something new that  
11 would leapfrog Intel's chip technology (which had powered Microsoft's Xbox); and would be, as  
12 he called it, a "supercomputer on a chip." Kutaragi insisted on multi-gigahertz frequency and a  
13 very high floating-point mathematical computation capability. In essence, since Kutaragi wanted  
14 the PS3 to function as a computer, he sought a chip design that would allow it do so.  
15

16           48.     Eventually, the STI development team decided on a technology called "Cell." Cell  
17 is shorthand for Cell Broadband Engine Architecture, commonly abbreviated CBE or Cell BE. Cell  
18 combines a general-purpose Power Architecture core of modest performance with streamlined co-  
19 processing elements which greatly accelerate multimedia and vector processing applications, as  
20 well as many other forms of dedicated computation.  
21

22           49.     The CBE is multi-core processor that consists of a Power Processing Element  
23 ("PPE") that handles the operating system and multiple Synergistic Processing Elements ("SPE")  
24 that provide number-crunching power as needed. The PPE and SPEs are linked together by an  
25 internal high speed bus dubbed "Element Interconnect Bus."  
26  
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1           50.     One of the issues to address was how to handle the operating system so that the PS3  
2 could function as a computer, as well as gaming machine. Mike Day, the software technical lead  
3 at IBM, was instrumental in the overall architecture of the PS3. He came up with a plan to use  
4 “hypervisor” technology on the PS3 chip that would allow multiple operating systems to run on the  
5 unit simultaneously.

6           51.     In computing, a hypervisor, also called virtual machine monitor (“VMM”), is one of  
7 many virtualization techniques which allow multiple operating systems, termed guests, to run  
8 concurrently on a host computer – a feature called “hardware virtualization.” Hypervisor is so  
9 named because it is conceptually one level higher than a supervisor. The hypervisor presents to  
10 the guest operating systems a virtual operating platform and monitors the execution of the guest  
11 operating systems. In this way, multiple instances of a variety of operating systems may share the  
12 virtualized hardware resources.

13           52.     Under the PS3 hypervisor scheme, a UNIX operating system served as the master  
14 supervisor, and a game kernel operating system (“Game OS”) ran underneath it. The kernel is a  
15 piece of software (several hundred thousand lines of code), which directs the operation of the game  
16 console. The top-level Unix code handles the normal system-level scheduling as well as managed  
17 interaction with the disk drive, keyboard, and displace console – all the same functions as an  
18 operating system handled on a traditional PC. Additionally, users would be allowed to install  
19 Linux to perform other, traditional computing functions.

20           53.     The pressure to develop, design, and test this new Cell chip was tremendous as  
21 SCEI sought to get the new PS3 to market by Christmas of 2005. Numerous problems and delays  
22 slowed down development, however.

1           54.     Along the way, a new “partner” entered the STI picture. In late 2002, Microsoft  
2 approached IBM about making the new chip for Microsoft’s rival game console, the (as yet  
3 unnamed) Xbox 360. In 2003, IBM’s Adam Bennett showed Microsoft the specifications for  
4 STI’s (and PS3’s) still-in-development Cell core. Microsoft was very interested and contracted  
5 with IBM for its own chip, to be built around the exact same core that IBM was still building with  
6 SCEI.

7  
8           55.     All three of the original STI partners had agreed that IBM would eventually be  
9 allowed to market the Cell to other clients. But it never occurred to SCEI that IBM would sell key  
10 parts of the Cell technology that SCEI was paying for and helping to develop before it was actually  
11 complete. Nor did SCEI contemplate that IBM would sell the Cell technology to SCEI’s primary  
12 videogame-console competitor, Microsoft, even before Sony got to use it. The result was that  
13 SCEI’s research and development money was spent creating a component for Microsoft to use  
14 *against* SCEI as both companies fought to bring their new consoles to the market first.

15  
16           56.     Things only got worse for SCEI as there was a rush to get the system into stores  
17 prior to Christmas of 2005. While designs for both chips were delivered on time to IBM’s  
18 manufacturing division, there was a problem with the first chip run for both companies. Microsoft  
19 had the foresight to order backup manufacturing capacity from a third party for its Xbox 360 chip,  
20 but SCEI did not have a manufacturing backup plan and had to wait another six weeks to get its  
21 first chips. Thus, Microsoft actually got the chip that SCEI initiated and helped design before  
22 SCEI even did.

23  
24           57.     In the end, Microsoft’s Xbox 360 hit its target launch date in November 2005,  
25 becoming a huge success in its own right. The Xbox 360 was not designed to function as a  
26 computer through the use of another operating system, opting instead for less customization of its  
27

1 new chip, and it also had a lower price point because the Xbox's chip was less complicated and  
2 built around some existing architecture. Because of various other delays, the PS3's launch date  
3 was pushed back a full year. By the time the PS3 was released, the Xbox 360 was well-entrenched  
4 in the market. Moreover, as a result of its numerous features (including the Other OS), the PS3  
5 was significantly more expensive than its rival, the Xbox 360. The PS3 never sold as many units  
6 as the Xbox 360.

7  
8 58. The current generation of videogame console sales has been dominated not by  
9 Sony, or Microsoft, but by Nintendo's Wii: a modest machine that relies on an older, cheaper, and  
10 less powerful chip. With an input device that allows players physically to interact with games  
11 (which SCEI and Microsoft have since tried to copy), the Wii has been a runaway success, selling  
12 almost as many consoles as the Xbox 360 and Playstation 3 combined. The PS3 is third in terms  
13 of overall sales.

14  
15 59. While the Wii and Xbox 360 are able to access the Internet, they were not  
16 advertised and promoted as a "computer" through the ability to install Linux. PS3 was unique in  
17 its computer abilities and ability to install Linux.

18  
19 60. For SCEI, the Cell processor was such an expensive and embarrassing debacle  
20 given the amount of money it cost to develop and Microsoft's victory in getting to the market first,  
21 that two weeks after the PS3 finally appeared in stores, the company essentially fired Ken  
22 Kutaragi, the head of its gaming unit, who had championed the Cell and built the Playstation line  
23 from its inception.

24  
25 61. The enormous costs of designing, building, and implementing the Cell on the PS3,  
26 as well as the implementation of the numerous features associated with trying to make it a media  
27 center, gaming console, and personal computer, have caused the PS3 to be an extremely expensive  
28

1 endeavor for Sony. Sony has lost hundreds of millions of dollars on the system, selling the PS3 at  
2 a significant loss, and has faced tremendous pressure to lower the costs of the unit, as well as  
3 recoup some of the investment it spent in developing the Cell chip.

4 62. Due to variations in hardware configurations and software versions, the cost of  
5 ongoing support and software updates to the PS3 with the Other OS feature intact exacerbated the  
6 financial failure of the PS3 for SCEA.

7  
8 63. It is this tremendous financial pressure that caused SCEI and SCEA to remove the  
9 Other OS feature, not any purported “security concerns.”

#### 10 **The Aggressive Marketing and Promotion of the PS3’s Computer Feature**

11 64. From before the time SCEA introduced the PS3 in November 2006, various Sony  
12 executives involved with the PS3 consistently and aggressively promoted the PS3 as the most  
13 advanced “computer” entertainment system in the industry to distinguish the PS3 from its  
14 competitors. The “computer” functions of the PS3 were related to its new Cell chip, which gave  
15 users the ability to install Linux and utilize the PS3 as a personal computer.  
16

17 65. The Other OS feature allowed users to run word processor software, spreadsheet  
18 software, email, game development, and media programs. It also allowed PS3 users to run a  
19 number of web browsers, which provide more functionality than the one browser Defendant has in  
20 its native PS3 operating system. The Other OS feature also allowed for Cell programming and the  
21 operation of supercomputer clusters.  
22

23 66. The affiliated Sony entities touted the computer functions as a major feature of the  
24 PS3. In June 2006, Ken Kutaragi, SCEI’s former President and CEO, in promoting the ability of  
25 the PS3 to run as a computer through the Linux OS, stated that “[the PS3] is radically different  
26 from the previous PlayStation. *It is clearly a computer.* Indeed, with a game console, you need to  
27  
28

1 take out any unnecessary elements inside the console in order to decrease its cost. . . . This will of  
2 course apply to the PS3 as well.”

3 67. Kutaragi also stated that “[l]owering costs is important but more important is its  
4 capacity to evolve. . . . Everything has been planned and designed so it will become a computer.  
5 The previous PlayStation had a memory slot as its unique interface. In contrast, the PS3 features  
6 PC standard interfaces. Because they are standard, they are open. . . . We put up no restrictions.  
7 Because it is a computer, it can interact with anything, freely. If someone is familiar with PC  
8 building, he or she can upgrade easily PS3’s HDD.”

10 68. In remarks made to Japanese website Impress Watch, which were widely  
11 distributed throughout the United States, Ken Kutaragi commented in more detail on the concept  
12 that the PS3 was designed to be a computer, rather than a game console. Kutaragi noted, “We  
13 don’t say it’s a game console (\*laugh\*) - PlayStation 3 is clearly a computer, unlike the  
14 PlayStations [released] so far.”

16 69. In May 2006, Phil Harrison, President of Sony Computer Entertainment Worldwide  
17 Studios from 2005-2008 stated: “We believe that the PS3 will be the place where our users play  
18 games, watch films, browse the Web, and use other computer functions. *The PlayStation 3 is a*  
19 *computer. We do not need the PC.*”

21 70. Izumi Kawanishi, head of Sony’s Network System Development Section, stated in  
22 May 2006: “Because we have plans for having Linux on board [the PS3], we also recognize Linux  
23 programming activities . . . Other than game studios tied to official developer licenses, we’d like to  
24 see various individuals participate in content creation for the PS3.”  
25  
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1           71.     In February 2007, Phil Harrison, stated in an interview with *Newsweek* videogame  
2 journalist, N’Gai Croal, that “[o]ne of the most powerful things about the PS3 is the ‘install Other  
3 OS’ option.”

4           72.     Kutaragi and the Sony entities jointly promoting the PS3 envisioned and promoted  
5 the fact that the Other OS and computer functions of the PS3 would survive the life of the product,  
6 which had a least a ten year life span. The PS3 was designed to “evolve” with continual updates  
7 which were promoted as allowing sustained and *improved* computer functionality.  
8

9           73.     In one interview, Kutaragi discussed that many parts of the PS3 were upgradable  
10 models, much more like a personal computer, noting, “[s]ince PS3 is a computer, there are no  
11 ‘models’ but ‘configurations.’” The Sony CEO gave another example in the interview: “As PS3 is  
12 a computer . . . it also wants to evolve.”  
13

14           74.     The upgradeable and “evolving” aspects of this “computer” were the firmware  
15 updates that SCEA distributed to US customers (including Update 3.21 which ultimately disabled  
16 the highly touted computer functionality that it was instead supposed to improve).  
17

18           75.     As is typically done in the video game industry, manufacturers and sellers, such as  
19 SCEA and its Sony partners, regularly issue press releases, attend public conferences such as the  
20 annual Electronic Entertainment Expo (known as “E3”), give media interviews and give their  
21 products away to multimedia news and review websites for purposes of spreading the word about  
22 their latest products. SCEA was no exception with the marketing of its PS3.

23           76.     In 2005, SCEA and its Sony partners began an extensive media blitz, beginning  
24 with the 2005 E3 where they touted the PS3’s features and represented that the console would be  
25 shipped with Linux pre-installed on the PS3 hard drive or the ability to install it. As is often the  
26 case, numerous multimedia news and review websites picked up the story and reported SCEA and  
27  
28

1 its Sony partners' representations about the PS3's attributes as a computer, including the ability to  
2 run Linux. Further, even before the release of the PS3 in 2006, SCEA gave the PS3 consoles away  
3 to multimedia news and review websites to generate product reviews and publicity.

4 77. For example, in November 2006, the review website, IGN.com, which focuses on  
5 video game consoles and related products, had this to say about the PS3's marketing campaign:  
6 "There wasn't a television network in North America that wasn't talking about the PlayStation 3  
7 launch last week, which should tell you just how ingrained the system is in the public conscious.  
8 The bizarre but fashionable television ads with creepy babies and melting Rubik's Cubes were  
9 different enough to make people notice, while giving systems to mainstream and enthusiast press  
10 outlets like IGN provided plenty of prerelease coverage to help plant the seed of anticipation."  
11

12 78. As a result of Defendant's aggressive marketing campaign, numerous multimedia  
13 and review websites and tech blogs spread Defendant's marketing message: that the PS3 was a  
14 computer that would constantly evolve and be with consumers for a long time to play video games,  
15 watch movies, access the PSN, and use Linux. Numerous websites such as IGN.com,  
16 Gamespot.com, PopularMechanics.com, Engadget.com and many others reported on SCEA's  
17 public statements and representations about the PS3 in 2005 and to the present.  
18

19 79. For instance, in 2005, IGN.com assembled an "IGN PlayStation Team" devoted to  
20 news coverage and reports about the PS3. Beginning in July 2005, the "IGN PlayStation Team"  
21 posted on its website "IGN's Official PlayStation 3 FAQ – Everything you need to know about  
22 Sony's next system", which answered important questions about the PS3's features, including the  
23 ability to run Linux, based on Defendant's representations.  
24

25 **PS3 is Released with Computing Functionality Through the Other OS Feature**  
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1           80.     On November 17, 2006 (a year late), SCEA eventually introduced the PS3 to the  
2 North American market, touting it as “*the most advanced computer system* that serves as a  
3 platform to enjoy next generation computer entertainment.” SCEA’s website stated:

4                     On November 17, 2006, Sony Computer Entertainment America  
5 revolutionized the way games are played and developed by  
6 releasing the PlayStation®3 (PS3®) computer entertainment  
7 system. The PlayStation®3 system reset the bar for entertainment  
8 by utilizing a combination of Cell and RSX™ processors, a state-  
9 of-the-art Blu-ray player and a pre-installed hard disk drive  
10 (HDD). Equipped with basic input/output ports, PS3® supports a  
11 broad range of displays from conventional NTSC/PAL standard  
12 TVs to the latest full HD (1080i/1080p) flat panel displays,  
13 offering the joy of the most advanced computer entertainment  
14 content to homes around the world. *These technological  
15 advancements coupled with its all-in-one entertainment solution  
16 made PS3® the most advanced computer system*, which served as  
17 a platform to enjoy next-generation games and the best in home  
18 entertainment on the market.

19           81.     The manufacturer’s suggested retail price for the PS3 was originally \$599,  
20 considerably higher than many of its competitors given its unique features. SCEA has reportedly  
21 sold more than 12 million PS3 systems in the United States.

22           82.     From its inception until the feature was removed, SCEA advertised, marketed,  
23 promoted, and sold PS3 systems as including the ability to function as a computer through the  
24 installation of Linux through the Other OS feature, as well as a built-in Blu-ray DVD player and  
25 the ability to go online to access the PSN and play against other players. The widely promoted  
26 slogan for the PS3 was “It only does everything.” That “everything” originally included the ability  
27 to function as computer through the Other OS feature.

28           83.     SCEA advertised, marketed, and promoted the computer functionality and Other  
OS feature on the PS3 box, in its manual, on numerous websites, and on the console itself.

1           84.     The PS3 box states: “A portion of the hard disc capacity is reserved for use in  
2 connection with system administration, maintenance, and *additional options*. This may occur upon  
3 installation of system software or *other software*.”

4           85.     SCEA explicitly marketed the Other OS feature in the manual that came with every  
5 PS3. In particular, SCEA included instructions in its manual about the Other OS feature indicating  
6 the availability of this feature and directing consumers to its “Open Platform” website to learn  
7 more about the Other OS feature and its installation. Those manual instructions stated: “Install  
8 other system software on the hard disk. For information on types of compatible system software  
9 and obtaining the installer, visit Open Platform for PlayStation®3.”

10           86.     The “Open Platform for Playstation®3” website promoted in the PS3 manual was  
11 designed to give users detailed information related to the PS3’s “Other OS function” and its  
12 abilities. SCEA directed users to this website if they had questions about the Other OS capabilities  
13 and to learn how to utilize the Other OS feature on the PS3 and install Linux.

14           87.     SCEA’s “Open Platform” website provides, “[t]here is more to the  
15 PLAYSTATION®3 (PS3™) computer entertainment system than you may have assumed. In  
16 addition to playing games, watching movies, listening to music, and viewing photos, *you can use*  
17 *the PS3™ system to run the Linux operating system*. By installing the Linux operating system,  
18 you can use the PS3™ system not only as an entry-level personal computer with hundreds of  
19 familiar applications for home and office use, but also as a complete development environment for  
20 the Cell Broadband Engine™ (Cell/B.E.)”

21           88.     Sony’s “Open Platform” website is still maintained and active today. The website  
22 includes a “manual” for installing the boot loader and Linux Operating System. It also includes a  
23  
24  
25  
26  
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1 Frequently Asked Questions (“FAQ”) section with questions and answers about the installation  
2 and use of Linux on the PS3.

3 89. From 2006 until the feature was removed in 2010, SCEA’s PS3 Knowledge Center  
4 website similarly promoted the availability of the Other OS function. It stated: “The PlayStation 3  
5 provides an option for third-party system software to be installed on the PS3™ system instead of  
6 the system software provided by Sony Computer Entertainment Inc. Such third-party system  
7 software is referred to as an ‘Other OS’.”  
8

9 90. SCEI and SCEA also developed and promoted a PS3 Linux Distributor’s Starter Kit  
10 for Linux users: “The Linux Distributor’s Starter Kit provides information, binary and source  
11 codes to Linux Distribution developers who wants (sic) to make their distro support PS3.”  
12

13 91. This kit was distributed and maintained by Sony employee, Geoffrey Levand.

14 92. Geoffrey Levand is a Principal Software Engineer at Sony Corporation of America  
15 in San Jose, California. Prior to Update 3.21, he worked as the lead maintainer of Linux for the  
16 PS3 game console, and also co-maintainer of the Petitboot bootloader for Linux. Mr. Levand  
17 joined Sony in 2000, and has worked on other Linux projects for Sony including the development  
18 of PS2-Linux, and the preparation of Linux kernels used in various Sony products including the  
19 Cybershot digital still camera and the Handycam video camcorder.  
20

21 93. Aside from the numerous manuals and websites that SCEA and its Sony partners  
22 maintained, the PS3 Console itself also contained distinct representations about the ability of users  
23 to utilize the Other OS feature, apportion the hard drive, install Linux, and use the PS3 as a  
24 computer. When users turned on the PS3, in the menu there was an option called, “Format Utility”  
25 – a screen shot is shown below:  
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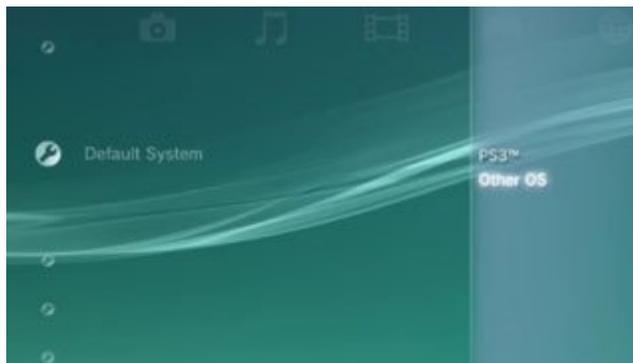
94. Users could then select the amount of memory to add to the Other OS feature:



95. Users could then install the Other OS:



1 96. Users could also set the default system to Other OS:



8 97. In addition to the manual, website, and console, SCEA and SCEI promoted the use  
9 of the Other OS feature with numerous third parties.

10 98. The PS3 did not come pre-installed with Linux from Sony, but shortly after the  
11 PS3's release, Sony issued a firmware update that allowed booting into Linux from the hard drive  
12 or from a Live CD. SCEA worked closely with several Linux developers to ensure that  
13 consumers could install Linux on the PS3.  
14

15 99. SCEA's "Open Platform" website directed consumers to contact these third party  
16 Linux distributors:  
17

18 There are many flavors of Linux available, which are developed,  
19 managed, and distributed by the respective companies and  
development communities.

20 As Sony Computer Entertainment Inc. (SCE) does not develop or  
21 directly support a version of Linux for the PS3™ system, SCE is  
22 pleased to provide links for the following Linux distributions that  
support the PS3™ system:

- 23 \* Yellow Dog Linux  
24 \* OpenSUSE  
25 \* Fedora  
26 \* Ubuntu

1 The respective websites provide instructions for downloading or  
2 purchasing the Linux operating system, as well as information  
about installation and post-installation configuration.

3 100. Terra Soft was one company that developed Linux for PS3s and re-sold PS3s with  
4 Yellow Dog Linux installed. SCEA promoted and supported these efforts, as well as the  
5 development of Linux on PS3 for the purpose of promoting the use of the PS3 as a supercomputing  
6 node. SCEA specifically contracted with Terra Soft to develop a Linux OS for the PS3. In return,  
7 Terra Soft promoted the Other OS features and Linux-capabilities of the PS3 for SCEA.  
8

9 101. In 2007, SCEA sponsored a "Hack-a-thon," an event held at Terra Soft's  
10 supercomputing facility which was funded by SCEA, hosting more than forty researchers, software  
11 developers and vendors who were granted first-access to twenty of the then new-to-market and  
12 difficult to obtain PS3s.  
13

14 102. As one article notes:

15 Hack-a-thon was the kickoff of Terra Soft's HPC (high  
16 performance computing) Consortium. This summer, under a  
17 contract with Sony Computer Entertainment, the company built a  
18 3,000-square-foot addition to its facility to house the world's first  
19 Cell-based supercomputing center. Sony was interested in using  
its PS3 to power a computing cluster that could be used by  
research universities and national laboratories, and it tapped Terra  
Soft to get that accomplished.

20 Terra Soft planned to have the computing cluster up and running  
21 already. Sony was going to send the company 480 beta (pre-  
22 production) units of the PS3 to power the cluster. However, the  
23 corporate office was concerned about the safety of using the beta  
units because the firmware on them was not as secure as the  
24 production units.

25 Now, the cluster will consist of 128 production PS3s, with the  
26 ability to grow to 256 units. Staats said there are currently 14 PS3  
27 units and seven BladeCenters - servers from IBM that operate on  
28 the same processor as the PS3. He expects to receive an additional

1           20 PS3s in the following weeks and hopes to have all of the initial  
2           units within a few months.

3           103. In another interview, Kai Staats, former CEO of Terra Soft, stated, “[t]he  
4 PlayStation 3 places a supercomputer in the home . . . Yellow Dog Linux provides a complete  
5 Linux OS for the PlayStation 3 resulting in a very powerful computing platform. We are thrilled  
6 to be working with RapidMind to make this platform more accessible for professional developers  
7 and hobbyists alike . . . With our operating system, the Playstation could very easily be your home  
8 CD player, DVD player, MP3 player and home computer, as well as a great game box . . . This is  
9 not an application-limited appliance. This is a full-blown computer. There is no issue of ‘can it do  
10 this or that?’ It can do everything.”

11           104. SCEA worked with Terra Soft to develop a massive PS3 cluster specifically to  
12 promote the concept that the PS3 could be used as a computer through the Other OS and use of  
13 Linux:  
14

15                   In October 2006, Terra Soft announced its plan to build the world’s  
16 first supercomputing cluster using the Sony PlayStation 3 (PS3),  
17 which utilizes the IBM Cell Broadband Engine and the Linux  
18 operating system. *The idea emerged when Sony Computer  
19 Entertainment came knocking on Terra Soft’s door, interested in  
20 showing that the PS3 is more than merely a game box. After  
21 building a 3,000-sq-ft supercomputing facility, located at Terra  
22 Soft’s headquarters, and adding a heavy dose of good old-  
23 fashioned tinkering, the cluster is well underway. Terra Soft’s  
24 CEO Kai Staats called the building of the PS3 cluster a ‘highlight  
25 of [his] time in this industry’.*

26           105. In another interview with Kai Staats, former CEO of Terra Soft, he discusses the  
27 company’s work with SCEA and development of the PS3 computing cluster:

28                   **LJ: Thank you for agreeing to talk with us, Kai. Tell us, why  
                  did Sony come to Terra Soft to build this cluster?**

1 KS: Terra Soft has, for eight years, dedicated itself to the Power  
2 architecture, providing a leading Linux OS for systems built upon  
3 the IBM and Freescale CPUs, such as Apple's PowerPC product  
4 line. This experience and expertise gave Sony the confidence that  
5 Terra Soft would provide a high-quality end-user experience with  
6 professional support.

7 **LJ: The PS3 cluster you have created together with Sony is an  
8 interesting application of what is marketed primarily as a  
9 home-entertainment machine. T he PS3 is really a flexible,  
10 powerful machine, isn't it?**

11 KS: Yes, the PS3 is both. I believe we are experiencing an  
12 interesting paradigm shift, from three decades of personal  
13 computers competing with dedicated game boxes to the industry's  
14 first game box offering true personal computer functionality.

15 Sony recognizes that, with its Cell Processor, the PS3 is not just  
16 another image processing engine, but a full-featured, fully capable  
17 home computer and lightweight development workstation. This is  
18 a tremendous market differentiator.

19 At home, the PS3 elegantly consolidates the CD, DVD, MP3  
20 player and home computer into a single "appliance". In  
21 supercomputing, the PS3 offers an inexpensive, lightweight  
22 compute node. Not designed to compete with the Mercury and  
23 IBM Cell blades, the PS3 enables individuals and labs to develop  
24 and optimize code for this new nine-core architecture within a  
25 limited budget. The same code seamlessly migrates to the high-  
26 performance Cell products.

27 106. The US Air Force, with SCEA's and Terra Soft's assistance, bought over 2,200  
28 PS3s to use in a massive super-cluster. One article discussed the Air Force's program:

The U.S. Air Force is connecting PS3 gaming consoles into an  
experimental supercomputer. Why? Because the chip inside is  
cheap and powerful.

The U.S. Air Force recently issued a request for proposals to  
purchase 2,200 Sony PlayStation 3 video game consoles.  
Does the Air Force plan to play lots of Grand Theft Auto? No --  
rather, the Air Force Research Laboratory in Rome, N.Y., is  
interested in the chip technology inside the PS3, specifically the

1 Cell Broadband Engine Architecture, according a blog post by  
2 Gartner Inc. analyst Andrea DiMaio.

3 The Air Force is studying whether the PS3 chips could be a cost-  
4 effective technology for modernizing the military's high-  
5 performance computing systems.

6 Supercomputer experts at the Air Force already have 336 PS3  
7 consoles hooked together in an experimental Linux- based cluster.  
8 Now they want 2,200 more to expand the research project. The  
9 laboratory evaluated chips from other vendors, such as IBM and  
10 Intel Corp., but found the PS3 chips to be much cheaper.

11 An RFP-related document justified the purchase this way: "With  
12 respect to cell processors, a single 1U server configured with two  
13 3.2-GHz cell processors can cost up to \$8k, while two Sony PS3s  
14 cost approximately \$600. Though a single 3.2-GHz cell processor  
15 can deliver over 200 GFLOPS, whereas the Sony PS3  
16 configuration delivers approximately 150 GFLOPS, the  
17 approximately tenfold cost difference per GFLOP makes the Sony  
18 PS3 the only viable technology for HPC applications."

19 107. Similarly, another article described the purposes of the Air Force's PS3 computing  
20 Cluster to image targets:

21 Once thought to be just a part of home entertainment systems,  
22 Sony's PlayStation 3 is proving itself to be more than just an  
23 online death-match machine.

24 The console's price-to-performance ratio inspired one Air Force  
25 research team to place an order for 1,700 of them to go with the  
26 336 they already have.

27 The brains behind the Air Force Research Laboratory in Rome,  
28 N.Y., are clustering the consoles, along with some off-the-shelf  
graphic processing units, to create a supercomputer nearly 100,000  
times faster than high-end computer processors sold today.

The research group was awarded a \$2 million grant for the  
PlayStation 3 cluster.

Key to the whole idea is the console's cell processor, which was  
designed to easily work in concert with other cell processors to

1 combine processing power and has been critically acclaimed for its  
2 number crunching ability.

3 This lets the researchers leverage power toward running such  
4 applications as Back Projection Synthetic Aperture Radar Imager  
5 formation, high definition video image processing, and  
6 Neuromorphic Computing, which mimics human nervous systems.

7 “With Neuromorphic Computing, as an example, we will broadcast  
8 an image to all PS3s and ask if it matches an image it has in its  
9 hard drive,” said Dr. Richard Linderman, the senior scientist for  
10 Advanced Computing Architectures at the laboratory.

11 Mimicking humans will help the machine recognize images for  
12 target recognition, said Mark Barnell, the high performance  
13 computing director for the laboratory’s information directorate.

14 “Humans can routinely do these things, but a computer struggles to  
15 do it,” Barnell said. “In a general sense, we are interested in  
16 making it autonomous.”

17 108. The Air Force computer cluster is able to monitor a 25-km area in real time making  
18 it one of the fastest computers in the world:

19 The cluster, known as the Condor Cluster, includes servers with  
20 general purpose graphical processor units. It is intended for a  
21 persistent surveillance role using the synthetic aperture radar and  
22 algorithms developed for a sister project, the GOTCHA synthetic  
23 aperture radar. With the power of the PS3 cluster and aerial  
24 surveillance, scientists will be able to monitor a 25-km area in real  
25 time.

26 “By using the cell processors in the PS3s and the GPGPUs in  
27 unison, we’ve produced a system that does a very good job at  
28 handling this kind of information,” said Mark Barnell, the project  
29 engineer for the cluster and AFRL high performance computing  
30 director. “We’ve developed the most powerful heterogeneous  
31 supercomputer in the world for a fraction of the cost of building it  
32 using individual chips and servers.”

33 The Condor cluster looks more like a PS3 storage room than what  
34 some might imagine a supercomputer should look like. Thousands  
35 of consoles are stacked side-by-side on bread racks with

1 homemade power management and mounting brackets. However,  
2 there is function and purpose in this construction.

3 “The PS3s arrive stacked on pallets,” said Mr. Barnell. “We store  
4 them in one of the lab’s warehouses and, after cataloging and  
5 testing each unit, we install them in racks of about 24. These  
6 modular racks can then be connected to the cluster as needed.”

#### 7 Putting it in Perspective

8 A floating point operation is a single operation done by a  
9 computer. The PS3 cluster is capable of performing 500 trillion  
10 operations every second. That’s about a third of the speed of the  
11 third fastest computer in the world, the IBM Roadrunner computer  
12 used by the Department of Energy.

13 According to Mr. Barnell, the Roadrunner cost more than \$120  
14 million dollars to build, a 60-fold increase in cost for three times  
15 the performance of the AFRL cluster. However, the savings aren’t  
16 limited to the upfront cost of building the computer. Modern  
17 computers require huge amounts of energy to run. Fortunately for  
18 AFRL, Sony had already figured out how to make the consoles  
19 energy efficient.

20 “The PS3, which is designed to function in a living room, requires  
21 a very efficient power requirement,” said Dr. Linderman. “They  
22 also have a sleep feature when they’re not in use. This means that  
23 when they aren’t in use they only use a fraction of the power.”

24 109. The U.S. Immigration and Customs Enforcement agency’s Cyber Crimes Center in  
25 Fairfax, Va., also clustered a bank of 40 interconnected PS3 consoles to decrypt passwords. It was  
26 actively seeking to add 40 more units. In one article, Chris Landi, senior special agent and section  
27 chief at ICE’s Cyber Crimes Center, said each PlayStation 3 in the center’s decryption silo is  
28 capable of generating 25,000 passwords per second while a Dell PowerEdge server, several of  
which are part of the silo, produces 17,000. “The cost for each Dell server is around \$3,500,” he  
said. Landi estimated the cost of the silo - which is used in child exploitation and pornography  
investigations and is often used by local, state, federal and even foreign agencies - to be around \$1

1 million. The figure for a machine with similar capabilities that didn't use PS3s would be much  
2 higher, he said.

3 110. At least two federal government agencies spent millions of dollars buying PS3s,  
4 with the direct support and knowledge of SCEA, solely to use them as super-computing clusters,  
5 because of their low cost, significant computing power, and their ability run Linux through the  
6 Other OS feature. It is extremely unlikely that these agencies would have undertaken such  
7 massive and expensive efforts had they believed that SCEA would remove the Other OS or that  
8 this feature was not designed to last the life of the product.

9  
10 111. Indeed, the Air Force expressed disappointment with SCEA's decision. "We will  
11 have to continue to use the systems we already have in hand," the lab told Arstechnica.com, but  
12 "this will make it difficult to replace systems that break or fail. The refurbished PS3s also have the  
13 problem that when they come back from Sony, they have the firmware (gameOS) and it will not  
14 allow Other OS, which seems wrong. We are aware of class-action lawsuits against Sony for  
15 taking away this option on systems that use [sic] to have it."

16  
17 112. Numerous other researchers at colleges and universities also used the PS3's  
18 computer functionality through the Other OS feature to take advantage of the Cell processor. For  
19 example, in early 2007, Dr. Frank Mueller, Associate Professor of Computer Science at NCSU,  
20 clustered eight PS3s for research. In the Summer of 2007, Dr. Gaurav Khanna, a professor in the  
21 Physics Department of the University of Massachusetts Dartmouth independently built a message-  
22 passing based cluster using 16 PS3s running Fedora Linux, called the "PS3 Gravity Grid." This  
23 cluster was built with a donation from Sony and was the first such cluster that generated published  
24 scientific results. This PS3 cluster performs astrophysical simulations of large supermassive black  
25  
26  
27  
28

1 holes capturing smaller compact objects. Khanna claims that the cluster's performance exceeded  
2 that of a 100+ Intel Xeon core based traditional Linux cluster on his simulations.

3 113. As researchers began to look to the PS3 as a potential computing platform, they also  
4 began documenting the best practices for wringing high performance out of the Cell architecture.  
5 Currently, there are published papers on PS3 programming, practical how-to guides on setting up a  
6 PS3 cluster, and benchmark comparisons between the PS3 and comparable server hardware  
7 available throughout the internet.  
8

9 114. Before it decided to remove the Other OS feature, SCEA, SCEI and Sony widely  
10 supported and endorsed and promoted the efforts to tout the PS3's computing functionality through  
11 the use of the Other OS – even directly funding some of these operations. SCEA was involved  
12 with the US Air Force contract, in particular, and knew the purpose for which the US Air Force  
13 was buying the PS3 consoles (research – not gaming). Thus, SCEA had widespread knowledge  
14 that many users would utilize the Other OS features that it had promoted as being for the life of the  
15 product (ten years) through updates via firmware.  
16

17 115. All of this work research and computing work with PS3 was done with the  
18 expectation that the Other OS feature would remain for the life of the PS3 console. No one  
19 suspected that SCEA had retained the purported right (much less ability) to remove a core  
20 advertised feature and would eventually seek to do so through vague and inapplicable language in  
21 its Warranty, SSLA and TOS.  
22

### 23 **The PS3's Intended Lifespan of 10 Years**

24 116. The expected lifespan of the PS3 and the features with which it was promoted  
25 (including the Other OS), like its predecessor, is at least a decade. Sony never marketed, promoted  
26 or represented that the advertised features that came with the PS3 would only last the length of the  
27  
28

1 discrete express warranty covering the PS3 unit from product defects or failures. Indeed, no  
2 reasonable consumer would purchase a PS3 if they believed Sony would come in 366 days after  
3 they purchased it and remove an advertised feature for which they had paid a premium, such as the  
4 ability to use the PS3 as a computer or play games online.

5       117. The limited duration of the PS3's express warranty from defects and failures has no  
6 application to the express warranties that SCEA itself created through advertising the PS3's  
7 numerous features in its manual, on its website, on the console itself, and elsewhere. SCEA and its  
8 Sony partners repeatedly touted a 10-year life span of the PS3 and its features.

9  
10       118. In August 2006 before the release of the PS3, Sony Computer Entertainment of  
11 America Chairman Kaz Hirai was asked by CNET News about the PS3's high price tag of \$600,  
12 which at the time was two times the cost of the competing Wii. According to Hirai, "[t]he pricing  
13 that we announced for the PlayStation 3 is a price that ultimately offers fantastic value to the  
14 consumers. I think that we are offering a very good value for the consumers. *We look at our*  
15 *products having a 10-year life cycle, which we've proven with the PlayStation. Therefore, the*  
16 *PlayStation 3 is going to be a console that's going to be with you again for 10 years. We're not*  
17 *going to ask the consumers to suddenly buy another PlayStation console in five years time, and*  
18 *basically have their investment go by the wayside. So far all those reasons, I think at \$599 we're*  
19 *offering a very good value to the consumers."* (emphasis added).

20  
21  
22       119. In 2009, Hirai told Official PlayStation Magazine: "And with the Xbox - again, I  
23 can't come up with one word to fit. You need a word that describes something that lacks longevity  
24 . . . . Last time I checked, they've [Microsoft] never had a console that's been on the market for  
25 more than four or five years and *we've committed to a ten year life cycle*, so you do the math."  
26  
27  
28

1           120. In Spring 2009, Peter Dille, the Senior Vice President of Marketing at SCEA,  
2 confirmed the 10-year lifespan by saying, “we firmly believe that the PS3 will not only be around  
3 in 10 years but it’ll be driving the business – driving this industry. I don’t know if our  
4 competitors’ platforms will still be viable in 10 years; I do know that the PlayStation 3 will be.”

5           121. On February 14, 2011, SCEA announced that since the PS2’s introduction in March  
6 2000, that system had shipped 150 million units. At this time, SCEA again confirmed the PS3’s  
7 10-year lifespan as a “commitment with every PlayStation consumer.” According to SCEA’s  
8 senior director of corporate communications, Patrick Seybold: “We at PlayStation have never  
9 subscribed to the concept that a console should last only five years . . . Both the original  
10 PlayStation and PlayStation 2 had life cycles of more than 10 years, and the PlayStation 3 will as  
11 well. *The 10-year life cycle is a commitment we’ve made with every PlayStation consumer to*  
12 *date*, and its part of our philosophy that we provide hardware that will stand the test of time  
13 providing that fun experience you get from day one for the next decade.”  
14

15           122. Before the PS2, the typical life span of a video game console was four to five years,  
16 which held true for PlayStation competitors such as Xbox and Gamecube. Since the PS2,  
17 however, consumers could expect and were told by SCEA that their PS2 and PS3 consoles would  
18 last 10 years or more, in particular because of the ability for the console to be upgraded via  
19 firmware updates. As such, consumers believed that the functions that came to be advertised as  
20 part of the PS3, including the Other OS feature, would also be expected to last ten years.  
21 Certainly, SCEA never disclosed that it retained the right to or would come in and remove core  
22 advertised features after the expiration of the one year warranty covering defects.  
23

24           123. Indeed, consistent with the 10-year lifespan, video game developers have provided  
25 PlayStation customers with thousands of video games and will continue to do so in the future. To  
26  
27  
28

1 date, more than 1.5 billion PS2 games have been sold worldwide. There are over six hundred titles  
2 for the PS3 and new games are expected in the future.

3 **SCEA Promoted Firmware Updates as Way to Ensure Functionality**

4 124. To aid the lengthy life span of the PS3 and as part of the purchase of the PS3,  
5 SCEA also promoted that users are entitled to receive firmware updates *directly* from SCEA with  
6 the purchase of the PS3 to ensure the functionality of the PS3.

7  
8 125. In a SCEA press release, dated March 20, 2007, SCEA confirmed that its firmware  
9 updates were designed to allow the PS3 to last ten years. Scott A. Steinberg, vice president,  
10 product marketing, SCEA is quoted as stating: "With these regular firmware updates and future-  
11 proofed technology, SCEA is making the 10-year lifecycle of PS3 possible."

12 126. On SCEA's website, it represents that firmware updates *add* new features:

13  
14 Evolution is free and easy  
15 Keeping ourselves healthy and looking good: hard. Keeping your  
16 PlayStation®3 system in top form: easy. *System software updates*  
17 *are constantly adding new features and upgrades* as well as  
18 additional security features so you don't have to worry about your  
19 PlayStation®3 system becoming outdated or missing out on cool  
20 new features.

21 127. SCEA also represents: "Downloading and installing the PlayStation®3 system  
22 software update will update your PS3™ system's operating system to include the latest security  
23 patches, settings, features and other items. We encourage you to check this page from time to time  
24 for system software updates and to always maintain your system to use the latest version of the  
25 system software."

26 128. Further, in SCEA's Instruction Manual, which accompanies each PS3, SCEA  
27 represented that "By updating the PS3 system software, you can add features and/or security  
28 patches. Frequently update your system to use the latest version of the system software" under the

1 heading “PS3 system updates[.]” SCEA never disclosed that it would use this firmware update  
 2 process to remove advertised features of the PS3 in their entirety and reasonable consumers such  
 3 as Plaintiffs and the Class would not have expected as such.

4 129. SCEA requires users who download firmware updates to agree to its TOS. SCEA  
 5 contends that this agreement applies to all purchasers in the class. The TOS places users in  
 6 contractual privity SCEA: “THIS AGREEMENT IS A CONTRACT BETWEEN YOU AND  
 7 SONY COMPUTER ENTERTAINMENT AMERICA LLC (“SCEA”) . . . .”  
 8

9 130. The SSLA states:

10 ACCESS TO OR USE OF THE SYSTEM SOFTWARE IN THE  
 11 SONY COMPUTER ENTERTAINMENT INC. ("SCE")'S  
 12 PlayStation®3 COMPUTER ENTERTAINMENT SYSTEM  
 13 UNIT ("PS3™ system") IS EXPRESSLY CONDITIONED UPON  
 14 ACCEPTANCE OF THE TERMS OF THIS AGREEMENT.

15 *This Agreement is a contract with SCE.* This Agreement applies to  
 16 any system software or firmware included in the PS3™ system,  
 17 and any patches, updates, upgrades, or new versions of the system  
 18 software or firmware provided to or made available for your PS3™  
 19 system through any SCE service or online network, SCE website  
 20 or PS3™ system game disc (software is collectively, “System  
 21 Software”).

22 131. Further, the SSLA purportedly gives SCE the right to sue users: “*SCE and its  
 23 licensors reserve the right to bring legal action in the event of a violation of this Agreement.*”

24 132. SCEA also provides a direct warranty to purchasers that gives every user “specific  
 25 legal rights” to enforce against SCEA.

26 **Defendant removes the Other OS feature from later versions of the PS3**

27 133. On or around August 18, 2009, SCEA announced the release of the PS3 “slim”  
 28 model that would become available on September 1, 2009. While it still contained the Cell  
 processor, SCEA reduced the form factor (which specifies the physical dimensions of major

1 physical components) and made other hardware adjustments in an attempt to lower production  
2 costs and also allow for a lower retail price in line with its competitors.

3 134. In the new PS3 slim, SCEI removed the ability to access the Other OS feature.  
4 Thousands of PS3 users criticized SCEI for this move given its prior widespread promotion of this  
5 feature.

6 135. At the time the computer and Other OS feature of the newer “slim” models was  
7 removed, SCEA did not attempt to allege that the removal of this feature was for “security”  
8 purposes. Instead, SCEA admitted that it was solely a *financial* decision related to having to  
9 maintain the hypervisor.  
10

11 136. In a message posted on a PlayStation message board (which SCEA scrubbed from  
12 its online message board presumably given its embarrassing content, but which was reprinted in  
13 several articles), a SCEA representative discussed the financial reasons for no longer offering the  
14 Other OS feature on the new “slim” PS3 models:  
15

16 I'm sorry that you are frustrated by the lack of comment  
17 specifically regarding the withdrawal of support for OtherOS on  
18 the new PS3 slim. The reasons are simple: *The PS3 Slim is a major*  
19 *cost reduction involving many changes to hardware components in*  
20 *the PS3 design. In order to offer the OtherOS install, SCE would*  
21 *need to continue to maintain the OtherOS hypervisor drivers for*  
22 *any significant hardware changes – this costs SCE. One of our key*  
23 *objectives with the new model is to pass on cost savings to the*  
24 *consumer with a lower retail price. Unfortunately in this case the*  
25 *cost of OtherOS install did not fit with the wider objective to offer*  
26 *a lower cost PS3.*

27 137. As discussed in further detail, these same financial considerations (and not security  
28 concerns) later led to the removal of the Other OS feature in the older, “fat” models, as well.

**SCEA Reassures Users That Computer Functions  
and Other OS Will Remain Available.**

1  
2 138. After realizing that SCEA was selling newer slim models without the Other OS  
3 functionality, owners of the older models became concerned that support for the PS3's computer  
4 feature would be eliminated system-wide. Nevertheless, SCEA continued to represent that on the  
5 older, "fat" PS3 models that were shipped with the Other OS this feature would not be removed –  
6 further confirming that SCEA had always intended for this feature to be used and to survive (and  
7 be upgraded) during the estimated ten year life of the PS3 unit.  
8

9  
10 139. For example, in an interview with arstechnica.com in August, 2009, John Koller,  
11 SCEA's director of hardware marketing, when asked about the removal of this feature from the  
12 slim models, stated that "[i]f anyone wants to use previous models and change the OS, they can do  
13 so."

14  
15 140. These comments about the Other OS feature not being removed on older models  
16 were further substantiated in an interview with SCEI employee, Akira Takase on Av Watch. When  
17 asked about the lack of the Other OS on the PS3 Slim, Takase-san stated: "There would be no time  
18 in the future when the Other OS would be moved from those models (CECHL00)."

19  
20 141. Cbe-oss-dev is a mailing list and website for "Discussion about Open Source  
21 Software for the Cell Broadband Engine." The archives for the site note: "This mailing list  
22 provides a forum for free discussion about Open Source Software (Linux, gcc, toolchain etc.) as it  
23 relates to the Cell Broadband Engine device."

24  
25 142. Sony employee, Geoffrey Levand (discussed above), often posted to this mailing  
26 list. His official job duty was to maintain Linux for the PS3 and to assist with technical problems.  
27  
28

1 People posted to this mailing list asking for his advice and for solutions to problems involving  
2 Linux-related PS3 issues.

3 143. On August 18, 2009, François Galea posted a message to this list asking: “Is this  
4 just a rumor or is it for real? Sony seems to have dropped the otheros feature on the new ps3 slim  
5 hardware. If anybody has reliable news, I’d be glad to hear about.”

6 144. On August 22, 2009, Mr. Levand, on behalf of SCEI, replied that SCEI was  
7 *committed* to maintaining this feature on the older PS3 models (emphasis added):  
8

9 The feature of “Install Other OS” was removed from the new  
10 “Slim” PS3 model to focus on delivering games and other  
entertainment content.

11 ***Please be assured that SCE is committed to continue the support***  
12 ***for previously sold models that have the “Install Other OS”***  
13 ***feature and that this feature will not be disabled in future***  
14 ***firmware releases.***

15 -Geoff

16 145. In a follow-up message posted on this board on February 27, 2010, Mr. Levand  
17 replied (emphasis added):

18 Please understand that in my position as PS3-Linux maintainer I  
19 can really only provide users with technical support for Linux and  
the LV1 hcall interface.

20 ***The text above was provided to me by SCE management.*** If you  
21 have any questions regarding it or any other feature of the PS3  
22 please contact the Playstation Customer Support in your country.  
Using Playstation Customer Support will insure your inquiry is  
processed through the correct channels within SCE.

23 -Geoff

24 146. Mr. Levand’s statement, provided to him by “SCE management,” proves that SCEI  
25 and SCEA always intended and represented that the Other OS feature would last the life of the  
26 product, which was touted to be ten or more years as alleged herein.  
27  
28

**SCEA Disables the “Install Other OS” Feature And Other PS3 Functions**

1  
2 147. In direct contrast to its previous statements about this issue, on March 28, 2010,  
3 Patrick Sebold, SCEA’s Senior Director of Corporate Communications and Social Media,  
4 announced on SCEA’s website that Update 3.21 would be released on April 1, 2010 and its  
5 installation would disable the “Install Other OS” feature that was available on the older. “fat” PS3  
6 systems.

7  
8 148. Many users thought this was an April Fool’s joke. However, on April 1, 2010,  
9 SCEA released Update 3.21 and proved that it was no joke as SCEA informed users that Update  
10 3.21 would indeed disable the Other OS feature.

11 149. PS3 owners were forced to install Update 3.21, or lose other important and  
12 promoted features of the PS3. For example, if a user failed to download Update 3.21, he or she  
13 would lose the following advertised features: (1) the ability to sign in to the PSN; (2) the ability to  
14 use online features that require a user to sign in to the PSN, such as chat; (3) the ability to use the  
15 online features of PS3 format software; (4) playback of new PS3 software or Blu-ray discs that  
16 require Update 3.21 or later; (5) playback of copyright-protected videos that are stored on a media  
17 server; and (6) use of new features and improvements that are available on PS3 Update 3.21 or  
18 later.  
19  
20

21 150. Since the ability to play Blu-ray discs and play games online through the PSN were  
22 features unique to the PS3 console and also important to users, installing Update 3.21 was not  
23 optional for users wishing to retain those features. Even SCEA’s console games are increasingly  
24 reliant on online updates, online content, and online play. SCEA did not present PS3 users with a  
25 valid choice. Rather, users either lost the ability to use their PS3 as a computer through the Other  
26  
27  
28

1 OS feature, or they lost the ability to access online, Blu-ray, and gaming features if they did not  
2 install Update 3.21.

3 151. In other words, installing Update 3.21 rendered the PS3 inoperable for its use as a  
4 computer; on the other hand, the failure to install Update 3.21 rendered the PS3 inoperable for its  
5 other intended purposes as an online gaming and Blu-ray disc console.

6 152. Moreover, when consumers send a defective PS3 console to Defendant for repair,  
7 Defendant's repair service automatically installs Update 3.21. As Defendant states on its website:  
8

9 Q: "I was using Linux and now my PS3 needs service. Can I use  
10 Linux after it comes back from repair?"

11 A: No, we repair the PS3 system with the latest system software.  
12 Users will not be able to use Linux after the repair."

13 153. Users who chose not to install Update 3.21 were also damaged in that they lost  
14 access to any prepaid PSN account balances since they could no longer access the PSN. SCEA has  
15 failed to provide full refunds of these balances to users who did not download Update 3.21.

16 **SCEA's purported Justifications for Removal were False**

17 154. SCEA suggested initially that the removal of the Other OS function from the "fat"  
18 models in April 2010 was for security and intellectual property reasons.

19 155. On its website, SCEA wrote:

20 Why did you delete the "Other OS" feature?

21 A. To protect the intellectual property of the content offered on the  
22 PS3 system as well as to provide a more secure system for those  
23 users who are enjoying games and other entertainment content on  
24 the PS3 system, we have decided to delete the feature to address  
security vulnerabilities of the system.

25 156. This statement is a fabrication. SCEA gave these reasons as a pretext so that it  
26 could attempt to argue that the Warranty, SSLA, and/or TOS allowed for the removal of the Other  
27

1 OS feature. In reality, SCEI and SCEA removed this feature because it was expensive to maintain  
2 (as they previously admitted when the feature was removed from the “slim” models – but which  
3 they conveniently removed from SCEA’s website); they were losing money on every PS3 unit sold  
4 (due to poor decisions in the planning and design of the Cell chip as noted above and given the  
5 PS3’s extra features); SCEA needed to promote and sell games to make their money back on the  
6 loss-leading PS3 consoles (and there was no profit in users utilizing the computer functions of the  
7 PS3); and IBM wanted to sell its expensive servers utilizing the Cell processor (users could cluster  
8 PS3s for the same purposes much less expensively).

10 157. SCEA has never revealed how its “intellectual property” would be unprotected  
11 through the use of Linux on the PS3. Moreover, the utilization of Linux did not make the PS3 less  
12 “secure.”

14 158. It is virtually impossible to use the Other OS for piracy because the PS3 is  
15 specifically designed to avoid allowing piracy through using the Other OS feature. When the  
16 Other OS feature is enabled, the software prevents the proper operation of the gaming feature to  
17 avoid allowing the features to interplay. In order for a hacker to pirate a game, it is necessary to  
18 perfectly emulate the operating system for which the game is designed, including the API, which is  
19 the interface for the game OS that supports all of the features of a game. However, when the Other  
20 OS is in use, the API and other hardware features are blocked, including the graphics chip in the  
21 PS3, which makes it impossible to run a pirated game on the Other OS. As of January 2011, Sony  
22 had yet to identify a single instance in which someone used the Other OS to pirate protected  
23 content.  
24  
25  
26  
27  
28

1 159. Blu-Ray piracy using the Other OS was not a unique threat. In order to pirate a  
2 Blu-Ray disc, a hacker requires a secret code or key; with that key, a hacker can pirate a Blu-Ray  
3 using a PC or a PS3 or any other computer – there is nothing unique about the PS3 in this regard.

4 160. In the AV Watch article discussed *supra*, Takase-San also commented on security  
5 *not* being an issue by saying: “That with respect to the Other OS security becomes the hole, but  
6 with the PS3 very firm security measures are being done, *presently there is no such problem*. If  
7 anything, support power is lightened.”

8 161. In short, SCEA has offered no valid security justifications for removing the Other  
9 OS feature. The PS3 became subject to hacking *after* SCEA removed the Other OS feature and  
10 angry users sought ways to have their advertised and paid for features turned back on.  
11

12 162. Further, in February 2011, well after the Other OS feature was removed, it was a  
13 Sony employee who “tweeted” (sent a message via Twitter) the code that allowed users to get  
14 around the protections that prevent the PS3 from playing pirated games.  
15

16 163. It was only on February 16, 2011, that SCEA announced that “[u]nauthorized  
17 circumvention devices for the PlayStation 3 system have been *recently* released by hackers.”  
18 Notably, this was only after SCEA had removed the Other OS feature and then tweeted the PS3’s  
19 anti-circumvention codes to the world.  
20

21 164. SCEA could have taken other steps that were less intrusive than removing an  
22 advertised function of the device if security truly were a concern. Indeed, SCEA revealed that it  
23 had the capacity to monitor PS3 systems using “hacking” software and would remove those  
24 consoles from its PSN if they violated the TOS. In its February announcement, SCEA stated:  
25 “Consumers using circumvention devices or running unauthorized or pirated software will have  
26  
27  
28

1 access to the PlayStation Network and access to Qriocity services through PlayStation 3 system  
2 terminated permanently.”

3 165. Thus, if any security concerns truly did exist at the time that justified SCEA’s  
4 removal of the Other OS feature, it could have taken alternative steps at that time and barred  
5 “hackers” or “jailbroken” consoles from the PSN as opposed to removing the Other OS feature for  
6 all users.

7  
8 166. Instead, the true reason SCEI, SCEA and Sony removed the Other OS feature was  
9 because of financial concerns.

10 167. Initially priced at \$599 (much more than its competitors), SCEA was losing money  
11 on every PS3 console sold. In 2006, isuppli.com estimated that it cost Sony \$806 to produce each  
12 PS3. That meant that each console sold resulted in a net loss to SCEI and SCEA of over \$200.

13  
14 168. SCEA priced the PS3 with the expectation that it would make back the money lost  
15 on the console through the sale of games and accessories. The problem for SCEA arose from  
16 consumers and researchers who used the PS3 for its value as a computer through the other  
17 operating system. Such users bought few or no games or accessories, giving SCEA no way to  
18 recoup its losses on the console.

19  
20 169. As one article noted, Sony “isn’t pleased with the handful of private research labs,  
21 companies, and individuals using racks of PS3s as a relatively inexpensive Cell cluster node or  
22 workstation. Because Sony sells the PS3 at a loss, any customer who doesn’t buy games for the  
23 console is bad for the bottom line.” Further, on the Air Force cluster alone, SCEA likely lost  
24 hundreds of thousands of dollars.

25  
26 170. SCEA and the other Sony entities were constantly looking for ways to cut costs and  
27 lower prices. For example, IBMs Cell chips originally went from 90-nanometers to 65-nanometers

28

1 and eventually to 45-nanometers in 2009. The 65-nanometer Cell cost Sony \$46.46 per unit, and  
2 the 45-nanometer Cell was \$37.73. This reduction did not substantially alter performance, but  
3 was less expensive to manufacture, and reduced the power usage of the PS3, reducing the need for  
4 cooling mechanisms.

5 171. Instead of maintaining the original price in an attempt to profit from these types of  
6 lower costs, Sony cut the price of PS3 from \$599 to \$399 and then to \$299 to increase market  
7 share and as a result of increasing competition. Isuppli estimates that Sony was still losing money  
8 on consoles with a sale price of \$299, however, as production costs, while lower, were still  
9 estimated at \$348 per unit.  
10

11 172. As SCEA admitted when it removed the Other OS feature from the “slim” models,  
12 maintaining the hypervisor which allowed for multiple operating systems was very expensive. The  
13 tremendous financial pressure to cut costs further led to the removal of this feature – not “security”  
14 concerns.  
15

16 173. On the Fixstars message board forums, Kai Staats (former CEO of Terra Soft  
17 Solutions and later of Fixstars) explained how the hypervisor became increasingly difficult and  
18 expensive to maintain for Sony:  
19

20 Sony was quite diligent about testing, and with each new rev of the  
21 GameOS (which acts as the hypervisor for Linux) there was a  
22 battery of tests. Often the GameOS had to be modified to support  
23 things which otherwise broke in Linux, so it is not a one-way  
24 street. GameOS affects Linux, and Linux affects GameOS. If a  
25 component on the mobo changed, the hypervisor code would  
26 change to support the new component, and then the testing starts  
27 again. While I am not aware of a time when the GameOS was  
28 modified to correct something we discovered to be broken in  
Linux, I can state that with nearly every third release of updated  
GameOS versions, something broke in Linux for which we  
compensated on our end, often with the assistance of Geoff  
[Levand] (who was great to work with, BTW).

1           174. As the sonyinsider.com website notes, based on this evidence, the decision to  
2 remove the Other OS feature appears to be “100% cost-based.”

3           175. Other sources have speculated that, IBM, SCEI’s partner in STI, also applied  
4 pressure to convince SCEI to remove the Other OS feature as it was losing sales of its expensive  
5 servers to those who were clustering PS3s (which had the same Cell processor) for much less  
6 money.

7           176. Although they contained lower performance per unit, PS3s were an inexpensive  
8 alternative to IBM’s Cell Blade servers which cost approximately \$18,000. When the US military  
9 purchased thousands of PS3 for a super-computing cluster, the purchasing report noted that SCEA  
10 was the only company capable of manufacturing the required hardware at an economical price.

11           177. When an article in *The Economist*<sup>1</sup> noted that the military was making a substantial  
12 saving by creating the PS3 network compared to building a traditional super computer, users  
13 speculated: “Do you think that other investors in Cell technology. Such as IBM [sic] might be a  
14 little pissed at Sony selling devices that are near equivalent to their own more expensive products?  
15 One could speculate the pressure to remove PS3 linux came from external sources.”<sup>2</sup>

16           178. Financial pressures were what led SCEI and SCEA to remove the Other OS feature.  
17 SCEA had no valid basis to remove an advertised feature from its PS3, for which users had paid  
18 significant sums, merely because it no longer wanted to pay to support that feature or it was losing  
19 money on sales of games and accessories. SCEA’s pretextual “security” or “intellectual property”  
20 concerns were not the true reason for the removal of the feature.

21  
22  
23  
24  
25  
26 \_\_\_\_\_  
27 <sup>1</sup> [http://www.economist.com/node/15063872?story\\_id=15063872](http://www.economist.com/node/15063872?story_id=15063872)

28 <sup>2</sup> <http://www.neogaf.com/forum/showthread.php?t=383838>

1 179. SCEA relies on wording from its Warranty, SSLA, and TOS to argue that  
2 “security” concerns allow it to remove the Other OS feature. Even if security were a concern, the  
3 language in these documents does not support SCEA’s interpretation.

4 180. The Warranty states that “[s]ome [warranty] services may . . . cause some loss of  
5 functionality.”

6 181. Update 3.21 was not a “warranty service.” Nor did Update 3.21 cause “some loss  
7 of functionality.” Users who downloaded Update 3.21 had a core advertised feature removed from  
8 their system. Users who did not download Update 3.21 lost other core advertised features.  
9 SCEA’s Warranty does not authorize the removal of Other OS or those other features.  
10

11 182. The SSLA states “SCE may provide updates, upgrades, *or services* to your PS3TM  
12 to ensure it is *functioning properly* in accordance with SCE guidelines or provide you with new  
13 new offerings. . . . Some *services* may . . . cause a loss of functionality.”  
14

15 183. Update 3.21 was not a “service” as intended in the meaning of the SSLA. It was an  
16 optional “update.” SCEA’s SSLA does not claim that an “update” will cause a loss of  
17 functionality – only “services” are mentioned as possibly doing so. Nor did Update 3.21 cause “a  
18 loss of functionality.” Users who downloaded Update 3.21 had a core advertised feature removed  
19 from their system. Users who did not download Update 3.21 lost other core advertised features.  
20 SCEA’s SSLA does not authorize the removal of Other OS or those other features.  
21

22 184. SCEA’s TOS states “[f]rom time to time, it may become necessary for SCEA to  
23 provide certain content to you to ensure that Sony Online Services and content offered through  
24 Sony Online Services, your PlayStation3TN computer entertainment system . . . is functioning  
25 properly. . . . Such content may include *automatic updates or upgrades* which may . . . cause a loss  
26 of functionalities or utilities.”  
27  
28

1 185. Update 3.21 was not an “automatic update or upgrade” as intended in the meaning  
2 of the SSLA. It was an “optional” update, meaning that the user selected whether to download the  
3 update, and lose a critical feature, or not download the update, and lose a different critical feature.

4 186. None of the agreements which SCEA claims apply state that an optional Firmware  
5 Update will cause a user to lose core advertised features of the PS3, nor do they alert users that the  
6 Other OS feature might be disabled, particularly in light of Defendant’s representations that the  
7 Other OS is a central feature of the PS3 and that Defendant would support it for the ten year  
8 lifespan of the PS3. The Other OS feature and the ability of the PS3 to operate as a computer (or  
9 the elimination of access to the PSN network and play games online, as well as other features)  
10 were not “functionalities” – they were core advertised features of the PS3 along the lines of its  
11 ability to play games or play Blu-Ray DVDs.  
12

13 187. Thus, even if security issues were a valid concern, SCEA was not authorized by any  
14 of the purported agreements it has cited to issue Firmware Update 3.21 and remove the Other OS  
15 feature for millions of users.  
16

17 188. In February 2011, SCEA released Firmware Update 3.56. This Update contained a  
18 security patch preventing “jailbroken” consoles (such as those that had been “hacked” to actually  
19 allow the Other OS feature back on to the consoles) from accessing the PSN. Thus, if SCEA truly  
20 wanted to prevent “unauthorized” consoles that may have been “hacked,” it had other methods  
21 available to it, such as barring access to the PSN (to the extent allowed under its purported  
22 agreements), as opposed to removing a feature that it no longer wanted to pay to support, that was  
23 causing it to lose money on game sales, and/or that IBM was upset about because of a loss in sales  
24 of Blade servers.  
25  
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### Users Complain

1  
2 189. Since Defendant released Update 3.21, thousands of users have written complaints  
3 on Internet websites and message boards, including the message board Defendant maintains on its  
4 website, regarding Update 3.21 and its removal of the “Install Other OS” feature. Users complain  
5 that Defendant’s actions are similar to a bait and switch, where users purchased a product with a  
6 specific feature and later had it taken away. Simply put, PS3 users paid for a product that included  
7 certain features and regardless of whether they install Update 3.21, they will lose advertised and  
8 paid-for features and full functionality of their PS3 consoles. Typical of those numerous  
9 complaints are the following:  
10

11 I bought a PlayStation 3 for \$600 US Dollars on November 17,  
12 2006 advertised as a Computer Entertainment System with a  
13 feature that allowed consumers to install Linux as an operating  
14 system. This feature was called Other OS from system menu which  
15 allowed users to use the machine not just as a console but also as a  
16 computer. On April 1, 2010 Sony updated the console’s firmware  
17 and removed this feature and no longer can the console be used as  
18 a computer. The console which I bought for 600 US dollars has  
19 now the same features as the newer cheaper low end models. . . .I  
20 am seeking a new firmware which will put back the promised  
21 feature that was once advertised as being part of the product or a  
22 refund.

19 I’ll start by saying I have been a loyal sony customer and have  
20 bought all their systems at launch since the ps1. they have done a  
21 few dirty things but it wasn’t until today until my eyes finally  
22 opened to see what an evil company full of liars sony really is. i  
23 mean this isn’t the first time sony has lied to us, but to me this is  
24 the same as theivery. i bought a ps3, waited a week in freezing rain  
25 and paid 600 dollars for it under the impression i would have a  
26 system that could use linux, i’ve spent YEARS learning and  
27 playing with linux on my ps3, and 3 years later sony steals it back.  
28 A FEATURE THAT THEY ADVERTISED. I feel like I’ve been  
stabbed in the back by my best friend. i was the one who was  
defending the ps3 from all the haters during its first couple years  
when it had pretty much no games. I hope sony realizes they have  
pulled a benedict arnold and have betrayed the most loyal of their

1 consumers with this move. now i have to buy a new ps3 to keep  
2 the feature? HA! no more, sony. enough is enough. I'm contacting  
3 the better business bureau today to see what can be done about this  
4 treason. also I'm not updating my system and i plan on selling it in  
5 the very near future if something isn't done.

6 \* \* \*

7 I don't know how you figure. It absolutely entered my cost benefit  
8 analysis when choosing between PS3 and Xbox360. The PS3  
9 needed every advantage it could get at launch and running linux  
10 was something the others could not claim. Remember, at the time  
11 there was no reason to believe that Blu Ray was going to be the  
12 standard. The only real advantage the PS3 had over the Xbox was  
13 Other OS. Xbox had more gamers and more games, still does.  
14 Xbox was already established in the market and many people had  
15 friends who were already using it. Both do High def 720p vs 1080p  
16 big deal, regardless image quality has been proven exactly the  
17 same time and again at all the review sites.Both have online  
18 features, Xbox is paid but the PS3 cost twice as much for the  
19 machine. Xbox had and still has the advantage with developers, see  
20 Carmack's latest statement on PS3 development. PS3 could run  
21 Linux, Xbox had no answer.

22 It factored into my decision and you'd be silly to think that it  
23 didn't factor into other people's decision as well since the PS3 had  
24 many disadvantages.

25 190. Defendant originally misinformed users that the release of Update 3.21 – in  
26 particular, the disabling of the Other OS feature – was intended to protect the “security” of users  
27 systems. In emails to PS3 users, Defendant later stated that the update was released in order to  
28 “protect the intellectual property of the content offered on the PS3 system.” In reality, as  
described herein, the Other OS feature was removed because it saved Defendant money.

### **RULE 9(b) ALLEGATIONS**

29 191. WHO: Defendant made material misrepresentations and failed to disclose, or  
30 adequately disclose, material facts as alleged herein. Except as identified herein, Plaintiffs are  
31 unaware of, and therefore unable to identify, the true names and identities of those individuals at

1 SCEA and its Sony partners who are responsible for such material misrepresentations and  
2 omissions.

3 192. WHAT: Defendant made affirmative material representations that the PS3 could be  
4 used as a computer through the Other OS feature, that users would be able install other operating  
5 systems such as Linux, and that the computer features of the PS3 would be available for the life of  
6 the product (ten years or more) through continued updates designed to enhance functionality.  
7 Defendant also made affirmative, material representatives that the PS3 could be used to access the  
8 PSN, play video games online, and watch Blu-ray movies, among other things. Defendant further  
9 represented that firmware updates were for the purposes of providing new features, not to remove  
10 core advertised features. Defendant failed to disclose that it reserved the purported right to remove  
11 core advertised features or that it would seek to do so under the Warranty, SSLA, or TOS.  
12 Defendant misrepresented that those purported agreements gave it the right to remove the Other  
13 OS feature or other advertised features. Defendant further misrepresented that Update 3.21 was to  
14 address “security” or “intellectual property” concerns. Defendant’s representations were untrue  
15 and misleading. Defendant knew and intentionally failed to disclose or adequately disclose, the  
16 material facts as alleged herein, such as that it reserved the purported right to unilaterally disable or  
17 remove the advertised PS3 features, including the Other OS feature. Defendant knew and  
18 intentionally failed to disclose or adequately disclose that financial concerns were the true reason it  
19 was removing the Other OS feature. Based on Defendant’s affirmative representations about the  
20 PS3’s functions and firmware updates, Defendant had a duty to disclose the material information  
21 alleged herein.  
22

23 193. WHEN: Defendant made the affirmative material misrepresentations, omissions,  
24 and non-disclosures beginning in 2005 through sometime around April 2010.  
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1           194.   WHERE: Defendant’s affirmative, material misrepresentations, omissions, and  
2 non-disclosures were made on the Internet (including on its website at www.usplaystation.com), in  
3 press releases, on the PS3’s packaging, in the PS3 owner’s manual, on the console itself, in various  
4 promotional materials and interviews, and in its email communications with PS3 users, through  
5 third-party websites and among other places as detailed herein.

6           195.   HOW: Defendant heavily marketed the PS3’s features, including the  
7 ability to install other operating systems such as Linux, and the ability to access the PSN, play  
8 video games, watch movies, and listen to music, among other things. Defendant marketed these  
9 features by placing advertisements, promoting the Other OS at trade shows, funding PS3  
10 computing centers, and putting material misrepresentations on its console, in its manual, and on the  
11 Internet, as well as encouraging third parties to do the same. Defendant failed to disclose or  
12 adequately disclose material information to Plaintiffs and Class members. Defendant failed to  
13 disclose or adequately disclose in its advertising and marketing that it retained the purported right  
14 to disable or remove the PS3’s advertised functions. Defendant did not make adequate disclosures  
15 until sometime around April 2010 when Plaintiffs and Class members were already locked into  
16 their PS3 purchases.

17           196.   WHY: Defendant made the affirmative material misrepresentations and  
18 omissions for purposes of inducing Plaintiffs and Class members to purchase the PS3 and its video  
19 games over the game consoles and video games of its competitors. Defendant also made these  
20 material misrepresentations and omissions to save money from having to refund consumers  
21 purchase prices for the PS3 consoles when it intentionally removed core advertised features of the  
22 product.  
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**CLASS ACTION ALLEGATIONS**

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2 197. Plaintiffs bring this suit as a class action pursuant to Rule 23 of the Federal Rules of  
3 Civil Procedure, on behalf of themselves and all other similarly situated persons. The proposed  
4 Class is initially defined as follows: **All persons in the United States who bought a PS3 with the**  
5 **Other OS feature available (“Fat” model PS3s).**

6  
7 198. Excluded from the Class are Defendant and its subsidiaries and affiliates, as well as  
8 Defendant’s executives, board members, legal counsel, and their immediate families. Also  
9 excluded are all governmental entities and any judicial officers assigned to hear any aspect of this  
10 case, including the court’s staff and immediate family members.

11 199. Plaintiffs reserve the right to amend or modify the Class definition with greater  
12 specificity, further division into subclasses, or by limitation to particular issues.

13  
14 200. Numerosity. The proposed Class is sufficiently numerous, as Defendant has sold  
15 millions of PS3 systems to U.S. consumers and required those consumers to download the update  
16 at issue or forego other advertised features. The members of the Class are so numerous and  
17 dispersed throughout the United States that joinder of all members is impracticable. The Class  
18 members can be readily ascertained through Defendant’s and/or Class members’ records.

19  
20 201. Common Questions of Fact and Law. Common questions of fact and law exist as to  
21 all members of the Class and predominate over any questions affecting solely individual members  
22 of the Class, pursuant to Federal Rule of Civil Procedure 23(b)(3). Questions of fact and law that  
23 predominate over any individual issues include:

- 24 a. Whether Defendant represented the PS3 as a computer and as having the ability to  
25 install and use other operating systems such as Linux, among other things;  
26  
27  
28

- 1 b. Whether Defendant represented that firmware updates were to add features and/or  
2 security patches or otherwise improve and keep the system up to date;
- 3 c. Whether Defendant's representations about the PS3's features and updates were  
4 false and/or misleading;
- 5 d. Whether Defendant had a duty to disclose material facts, such as that it reserved the  
6 purported right to disable or remove the PS3's advertised features for any reason;
- 7 e. Whether Defendant failed to disclose or adequately disclose material facts to users,  
8 such as that it reserved the purported right to disable or remove the PS3's advertised  
9 features for any reason;
- 10 f. Whether Defendant misrepresented the reasons for the removal of the Other OS  
11 feature;
- 12 g. Whether Defendant's conduct violated the Consumers Legal Remedies Act,  
13 California Civil Code sections 1750, *et seq.* ("CLRA");
- 14 h. Whether Defendant's conduct violated California's Unfair Competition Law,  
15 California Business and Professions Code sections 17200, *et seq.* ("UCL");
- 16 i. Whether Plaintiffs and the members of the Class sustained damage and  
17 ascertainable loss as a result of Defendant's conduct as alleged herein;
- 18 j. The amount of relief to which Plaintiffs and the Class members are entitled; and
- 19 k. The amount of attorneys' fees, prejudgment interest, and costs of suit to which the  
20 Class is entitled.
- 21  
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25 207. Adequacy. Plaintiffs will fairly and adequately protect the interests of the Class  
26 members and have retained counsel competent and experienced in class action lawsuits. Plaintiffs  
27  
28

1 have no interests antagonistic to or in conflict with those of Class members and therefore will be  
2 adequate as representatives for the Class.

3 208. Superiority. A class action is superior to other available methods for the fair and  
4 efficient adjudication of this controversy since joinder of all Class members is impracticable.  
5 Furthermore, the adjudication of this controversy through a class action will avoid the potentially  
6 inconsistent and conflicting adjudications of the claims asserted herein. There will be no difficulty  
7 in the management of this action as a class action.

8 **CAUSES OF ACTION**

9 **COUNT I**

10 **Violation of the California Consumers Legal Remedies Act (“CLRA”)**

11 **(On Behalf of all Plaintiffs and Class members who purchased the PS3s for personal, family  
12 or household purposes)**

13 209. Plaintiffs incorporate by reference and reallege all paragraphs previously alleged  
14 herein.

15 210. Defendant is a “person,” as defined by the California Consumers Legal Remedies  
16 Act (“CLRA”), Cal. Civil Code § 1761(c).

17 211. Plaintiffs and the Class members are “consumers,” within the meaning of Cal. Civil  
18 Code § 1761(d).

19 212. The PS3 is a “good,” within the meaning of Cal. Civil Code § 1761(a).

20 213. Each Plaintiff’s purchase of the PS3 with future updates and the Other OS feature  
21 constituted a “transaction,” as that term is defined in Cal. Civil Code § 1761(e).

22 214. Since the 2006 introduction of the PS3, Defendant advertised, promoted, marketed,  
23 and represented that the PS3 operates like a computer through the ability to download operating  
24 systems such as Linux on the PS3. This practice continued up to the release of the Update 3.21  
25 which disabled the Other OS feature and the ability to use the PS3 as a personal computer.

26 215. Since the 2006 introduction of the PS3, Defendant advertised, promoted, marketed,  
27

28

1 and represented that the PS3 can play online games and access other features through the PSN.

2 216. Defendant further represented that the PS3 has a lifespan of 10 years, like the  
3 previous PlayStation2. Indeed, since the PS3 was first introduced, there have been numerous  
4 video games developed for the PS3 and additional video games have been developed for release  
5 since the Update 3.21.

6 217. With regard to software updates, during the time that it has sold the PS3, Defendant  
7 represented on its website and elsewhere that downloading and installing updates would update the  
8 PS3's operating system to include additional settings and features. Further, in the instruction  
9 manual which has accompanied each PS3, Defendant represented that, "By updating the PS3  
10 system software, you can add features and/or security patches. Frequently update your system to  
11 use the latest version of the system software[.]" Defendant did not disclose at the time of sale that  
12 optional software updates would be used to disable or remove core advertised features of the PS3.

13 218. Plaintiffs reviewed and relied on the representations regarding the PS3's features,  
14 including the Other OS and PSN features, as well as software updates in deciding to purchase the  
15 PS3. Based on Defendant's representations, Plaintiffs reasonably believed that they would have  
16 the right to utilize all of the PS3's advertised features, including the Other OS and online gaming  
17 features, for the useful life of the PS3, which, according to Defendant's representations, is 10  
18 years. Further, Plaintiffs reasonably expected that any firmware updates issued by Defendant  
19 would be to improve the PS3's operation or to add new features, not to disable or remove core  
20 advertised features.

21 219. Plaintiffs' expectations were reasonable and are supported by Defendant's  
22 statements about the Other OS feature in late 2009. For example, in August 2009, Geoffrey  
23 Levand, Principal Software Engineer at Sony Corporation, assured PS3 owners as follows: "Please  
24 be assured that SCE is committed to continue the support for previously sold models that have the  
25 'Install Other OS' feature and that this feature will not be disabled in future firmware releases."  
26

27 220. Even when it decided to remove the Other OS feature from the new Slim PS3,  
28

1 Defendant reiterated its commitment to supporting the Other OS feature in existing PS3 models.  
2 In an interview with arstechnica.com in August, 2009, John Koller, SCEA's director of hardware  
3 marketing, stated that "[i]f anyone wants to use previous models and change the OS, they can do  
4 so."

5 221. Unbeknownst to Plaintiffs, but exclusively within the knowledge of Defendant,  
6 Defendant believed it retained the purported right to remove any of the PS3's core advertised  
7 features, including the Other OS feature, during the PS3's useful life through any means, including  
8 through optional firmware updates that were promoted as enhancing functionality, not destroying  
9 it.

10 222. At the time of sale, Defendant did not disclose to Plaintiffs that it retained the  
11 purported right to remove any of the PS3's core advertised features, including the Other OS or  
12 PSN gaming feature, during the useful life of the PS3 – particularly for the purpose of saving  
13 money. Plaintiffs would have considered these facts important in deciding whether or not to  
14 purchase (and/or pay the same price) for the PS3. Had Plaintiffs known that Defendant retained  
15 the right to remove any of the PS3's core advertised features, including the Other OS feature,  
16 during the useful life of the PS3, Plaintiffs would not have purchased the PS3 or would have paid  
17 less for the PS3. Therefore, the facts that Defendant actively concealed, suppressed or failed to  
18 disclose at the time of Plaintiffs' purchase were material.

19 223. "After disabling the Other OS feature through Firmware Update 3.21, Defendant  
20 claimed that it had the right to remove any of the PS3's advertised features under the SSLA. The  
21 current SSLA says in part:

22 From time to time, SCE may provide updates, upgrades or services  
23 to your PS3 system to ensure that it is functioning properly in  
24 accordance with SCE guidelines or provide you with new  
25 offerings. Some services may be provided automatically without  
26 notice when you are online, and others may be available to you  
27 through SCE's online network or authorized channels. Without  
28 limitation, services may include the provision of the latest update  
or download of new release that may include security patches, new  
technology or revised settings and features which may prevent

1 access to unauthorized or pirated content, or use of unauthorized  
2 hardware or software in connection with the PS3 system.  
3 Additionally, you may not be able to view your own content if it  
4 includes or displays content that is protected by authentication  
5 technology. Some services may change your current settings,  
6 cause a loss of data or content, or cause some loss of functionality.  
7 It is recommended that you regularly back up any data on the hard  
8 disk that is of a type that can be backed up.

9 224. Additionally, Defendant has relied on the following provision from its Service  
10 Policy set forth in its Warranty:

11 You understand and acknowledge that any time SCEA services  
12 your PS3 system (either within the Warranty Period or under a  
13 separate service arrangement), it may become necessary for SCEA  
14 to provide certain services to your PS3 system to ensure it is  
15 functioning properly in accordance with SCEA guidelines. Such  
16 services may include the installation of the latest software or  
17 firmware updates, or service or replacement of the Ps3 hard disk or  
18 the PS3 system with a new or refurbished product. You  
19 acknowledge and agree that some services may change your  
20 current settings, cause a removal of cosmetic stickers or system  
21 skins, cause a loss of data or content, or cause some loss of  
22 functionality.

23 225. Finally, Defendant has pointed to certain terms of the TOS that it requires users to  
24 agree to access the PSN. The TOS says in part:

25 From time to time, it may become necessary for SCEA to provide  
26 certain content to you to ensure that Sony Online Services and  
27 content offered through Sony Online Services, your PlayStation3  
28 computer entertainment system, the PSP (PlayStation Portable)  
system or other SCEA-authorized hardware is functioning properly  
in accordance with SCEA guidelines. Some content may be  
provided automatically without notice when you sign in. Such  
content may include automatic updates or upgrades which may  
change your current operating system, cause a loss of data or  
content or cause a loss of functionalities or utilities. Such upgrades  
or updates may be provided for system software for your  
PlayStation3 computer entertainment system, the PSP (PlayStation  
Portable) system, or other SCEA-authorized hardware.

29 226. The terms set forth in Defendant's SSLA, Warranty, and TOS, however, do not  
30 inform users that Defendant reserved the purported right to remove any of the PS3's core  
31 advertised features, including the Other OS feature, which it did do through Firmware Update

1 3.21.

2 227. Even if the terms of the SSLA, Warranty and Terms of Service could be interpreted  
3 to give Defendant the purported right to remove any of the PS3's advertised features, including the  
4 Other OS feature, during the useful life of the PS3, Defendant actively concealed these material  
5 facts, and/or also made partial representations but suppressed material facts as the terms of the  
6 SSLA, Warranty and Terms of Service were not provided until after purchase and were also buried  
7 in numerous paragraphs of legal language in small print. Moreover, because these terms were not  
8 presented to Plaintiffs until after they purchased the PS3, Defendant had exclusive knowledge of  
9 material facts that Plaintiffs did not, namely, that it had the purported right to remove the PS3's  
10 advertised features, including the Other OS feature, during the useful life of the PS3.

11 228. Defendant had a duty to clearly and conspicuously disclose at the time of sale the  
12 material facts alleged herein, namely, that it reserved the purported right to remove the PS3's  
13 advertised features, including the Other OS feature, during the useful life of the PS3. This duty to  
14 disclose was created by (1) Defendant's affirmative representations about the PS3's advertised  
15 features and software updates and the expected 10-year life span of the PS3; (2) Defendant's  
16 exclusive knowledge of material facts not known to Plaintiffs; (3) Defendant's active concealment  
17 of material facts from Plaintiffs; and (4) Defendant's partial representations about material facts.  
18 Defendant's misrepresentations and material omissions about the PS3's advertised features and  
19 software updates were likely to deceive reasonable consumers.

20  
21 229. The CLRA prohibits affirmative misrepresentations, partial misrepresentations and  
22 concealment or suppression of material facts which make a representation misleading.  
23 Defendant's representations about the PS3's features, including the Other OS feature, and future  
24 updates, were false and or misleading because Defendant failed to disclose material facts, namely,  
25 that it reserved the unilateral right to remove the PS3's features through updates.

26 230. Defendant's misrepresentations and omissions as alleged herein violated Cal. Civ.  
27 Code § 1770(a)(5)'s proscription against representing that goods have uses, characteristics,

28

1 benefits, or qualities they do not actually have; and Cal. Civ. Code § 1770(a)(7)'s proscription  
2 against representing that goods are of a particular standard, quality, or grade when they are of  
3 another.

4 231. Plaintiffs, on behalf of themselves and all others similarly situated, demand  
5 judgment against Defendant under the CLRA for injunctive relief, restitution and/or disgorgement  
6 of funds paid to Defendant to purchase the PS3, and/or an injunction requiring Defendant to enable  
7 the Other OS feature of the PS3, free of charge, and an award of attorneys' fees and costs.

8 232. Plaintiffs' counsel put Defendant on notice that it was in violation of the Consumers  
9 Legal Remedies Act. Attached hereto as Exhibit A are true and correct copies of demand letters  
10 from Plaintiffs Ventura and Huber. As the thirty (30) day period has expired and Defendant failed  
11 to cure, Plaintiffs Ventura and Huber seek damages on behalf of themselves and the Class.

12 **COUNT II**

13 **Violation of Cal. Bus. & Prof. Code §§ 17500, et seq. (False Advertising Law or "FAL")**

14 **(On Behalf of all Plaintiffs and Class members)**

15  
16 233. Plaintiffs incorporate by reference and reallege all paragraphs previously alleged  
17 herein.

18 234. Defendant has engaged in false advertising as it disseminated false and/or  
19 misleading statements regarding the PS3. Defendant knew or should have known by exercising  
20 reasonable care that its representations were false and/or misleading.

21 235. Beginning in 2006 and continuing through approximately April 2010, Defendant  
22 engaged in false advertising in violation of Cal. Bus. & Prof. Code §§ 17500, et seq., by  
23 misrepresenting in its advertising, marketing, and other communications disseminated to Plaintiffs,  
24 the Class, and the consuming public that the PS3 was capable of being used as a personal computer  
25 via the Other OS feature. In fact, Defendant knowingly disabled the Other OS feature, and with it  
26 the PS3's personal computer functionality, by issuing Update 3.21.  
27

1           236. Beginning in 2006 and continuing through approximately April 2010, Defendant  
2 engaged in false advertising in violation of Cal. Bus. & Prof. Code §§ 17500, *et seq.*, by  
3 misrepresenting its advertising, marketing, and other communications disseminated to Plaintiffs,  
4 the Class, and the consuming public that, for those who did not download Update 3.21, that they  
5 would be able to access the PSN and play games online with their PS3, among other features.

6           237. Beginning in 2006 and continuing through approximately April 2010, Defendant  
7 engaged in false advertising in violation of Cal. Bus. & Prof. Code §§ 17500, *et seq.*, by  
8 misrepresenting in its advertising that the PS3 has a lifespan of 10 years, like the previous PS2. In  
9 fact, when Defendant released Update 3.21, it eliminated critical functions of PS3 (the Other OS  
10 feature and the ability to use PS as a personal computer and a development platform for the Cell)  
11 well before the expiration of the promised 10-year lifespan, and/or forced Plaintiffs and Class  
12 Members who wished to maintain the Other OS/personal computing functions to forego updates  
13 and features that were critical to maintaining the PS3's promised online gaming functionality  
14 during that period.

15           238. Beginning in or about 2006 and continuing up to April 2010, Defendant engaged in  
16 false advertising in violation of Bus. & Prof. Code §§ 17500, *et seq.*, by omitting, failing to  
17 disclose, and/or concealing the material fact that it could or would disable the Other OS feature  
18 when it became expedient to do so, that it purported to have the right to do so by virtue of terms  
19 that were not adequately disclosed, and that it intended to do so via Update 3.21. The Update 3.21  
20 disabled the ability of Plaintiff and the Class to utilize the Other OS feature and utilize the PS3 as a  
21 personal computer and/or as a development environment for the Cell.

22           239. Beginning in or about 2006 and continuing up to April 2010, Defendant engaged in  
23 false advertising in violation of Bus. & Prof. Code §§ 17500, *et seq.*, by representing to Plaintiffs,  
24 the Class and the consuming public that it would provide regular "updates" to maintain the  
25 currency and improve the functionality of the PS3, but then issuing Update 3.21, which in fact  
26 degraded the functionality of the PS3 by eliminating the critical Other OS feature. Defendant  
27

28

1 failed to disclose that its promised “updates” would degrade or eliminate certain existing features  
2 and functions for which Plaintiffs and the Class paid when they purchased the PS3, or that the  
3 promised “updates” would place Plaintiffs and the Class in the untenable position of choosing  
4 between maintaining all of the critical functionality of their existing PS3s and foregoing the  
5 promised updates, or accepting the promised benefits of those updates but at the cost of  
6 surrendering key features of their existing PS3 consoles.

7 240. By disseminating and publishing these statements in connection with the sale of its  
8 goods, Defendant has engaged in and continues to engage in false advertising in violation of Bus.  
9 & Prof. Code §§ 17500, et seq.

10 241. As a direct and proximate result of Defendant’s conduct, as set forth herein,  
11 Defendant has received ill-gotten gains and/or profits. Plaintiffs and the Class seek injunctive  
12 relief, restitution, and restitutionary disgorgement of Defendant’s ill-gotten gains as specifically  
13 provided in Cal. Bus. & Prof. Code § 17535.

14 **COUNT III**

15 **Violations of Cal. Bus. & Prof. Code §§ 17200, et seq. (Unfair Competition Law or “UCL”)**

16 **(On Behalf of all Plaintiffs and Class members)**

17  
18 242. Plaintiffs incorporate by reference and reallege all paragraphs previously alleged  
19 herein.

20 243. Cal. Bus. & Prof. Code § 17200 prohibits acts of “unfair competition.” As used in  
21 this section, “unfair competition” encompasses three distinct types of misconduct: (a) any  
22 “unlawful” business act or practice; (b) any “unfair” business act or practice; and (c) “any . . .  
23 unfair, deceptive, untrue or misleading advertising.”

24 244. The first type of violation of Section 17200 is an “unlawful” business act or  
25 practice. In committing the acts alleged above, Defendant engaged in an “unlawful” business act  
26 or practice. An unlawful business act is any act that is prohibited by law. Defendant’s violations  
27

1 of the Consumers Legal Remedies Act, and Business and Professions Code §§ 17500, as alleged  
2 herein, constituted acts prohibited by law.

3         245. The second type of violation of Section 17200 is an “unfair” business act or  
4 practice. A practice may be “unfair” within the meaning of section 17200 even if it does not  
5 violate particular provisions of law, and even if the precise nature of the challenged conduct has  
6 yet to be addressed in statutes or case law. Rather, in cases involving consumer goods, the  
7 “unfair” prong of 17200 is designed to have the flexibility to deal with new situations and new  
8 abuses. In committing the acts alleged above, Defendant engaged in an “unfair” business act or  
9 practice by, inter alia: (1) representing that PS3 would have the Other OS feature and would  
10 function as a computer through the installation of Linux, but then issuing an “update” to the PS3  
11 that eliminated the Other OS and computing features from the console; (2) promising updates to  
12 the PS3 that would improve and keep the functions and features of the PS3 current, but then  
13 issuing an update that in fact eliminated a core advertised feature of the PS3 and degraded its  
14 functionality, forcing Plaintiffs and Class Members to either accept the harm-causing upgrade or  
15 forego other important PS3 features and functions; and (3) advertising and marketing the PS3 as  
16 including the Other OS feature and as having the functionality of a computer, while purporting to  
17 reserve the right—by virtue of terms that were not fairly disclosed to purchasers and were without  
18 legal effect—to eliminate those functions at its discretion.

19         246. The third type of violation of Section 17200 is a “fraudulent” business act or  
20 practice. A fraudulent business practice is one that is likely to deceive members of the public,  
21 even if the defendant lacked the intent to deceive. A section 17200 claim based on the  
22 “fraudulent” prong can be based on representations that deceive because they are untrue, and also  
23 those representations which may be accurate on some level, but will nonetheless tend to mislead or  
24 deceive. A perfectly true statement couched in such a manner that it is likely to mislead or deceive  
25 the consumer, such as by failure to disclose other relevant information, is actionable under section  
26 17200. Further, a business practice may be fraudulent within the meaning of section 17200 even if  
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1 the defendant lacked the intent to deceive or injure any consumer. Defendant engaged in a  
2 “fraudulent business act or practice” by perpetrating an advertising and marketing campaign that  
3 was likely to deceive members of the public. Defendant advertised and marketed the PS3 as  
4 including the Other OS feature and as being able to as a computer, while purporting to reserve the  
5 right—by virtue of terms that were not prominently disclosed to purchasers—to eliminate those  
6 functions at its discretion.

7 247. Any purported “justification” for Defendant’s conduct is outweighed by the gravity  
8 of the consequences to Plaintiffs and Class members and Defendant’s conduct is immoral,  
9 unethical, oppressive, unscrupulous or substantially injurious to consumers.

10 248. In committing the acts alleged above, Defendant engaged in “unfair, deceptive,  
11 untrue or misleading advertising” by omitting, failing to disclose or adequately disclose, and/or  
12 concealing the material fact that it retained the purported right to disable the PS3’s core advertised  
13 features, including the Other OS feature, and/or that it intended to do so via Update 3.21.

14 249. These above-described unlawful, unfair and fraudulent business practices and false  
15 and misleading advertising by Defendant present an ongoing threat to Plaintiffs and the Class.  
16 Plaintiffs are informed and believe and thereon allege that Defendant has systematically  
17 perpetrated deceptive and unfair practices upon members of the public and has intentionally  
18 deceived Plaintiffs and the Class.

19 250. As a direct and proximate result of Defendant’s violations of the Unfair  
20 Competition Law, Plaintiffs and the Class members have suffered injury in fact and lost money  
21 and property because (1) they would not have purchased or would have paid less for the PS3 if  
22 they had known that Defendant reserved the right to disable or remove advertised features of the  
23 PS3, including the Other OS feature, and that Defendant would, in fact, disable the Other OS  
24 feature; and/or (2) they purchased the PS3 based in material part on Defendant’s promise to  
25 provide periodic “updates” that would maintain and improve the functionality of that product, but  
26 in fact were provided an “update” that significantly degraded the features and value of that product  
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1 during its expected useful life, and/or (3) they purchased the PS3 based in material part on  
2 Defendant's promise to provide periodic "updates" that would maintain and improve the  
3 functionality of that product, but were in fact provided with a choice between accepting the  
4 promised "update" and thereby losing the Other OS feature for which they had bargained, or  
5 foregoing the "update" and surrendering the benefits thereof and the ability to use other critical  
6 features for which they had bargained; and/or (4) they owned PS3s that contained a suite of  
7 features that included the Other OS feature and computing functions, but were wrongfully divested  
8 of those features without their consent, and left with products with degraded functionality. Thus,  
9 as a direct and proximate result of Defendant's violation of the Unfair Competition Law, Plaintiffs  
10 and the Class members purchased a PS3 that no longer works as a computer or no longer has other  
11 core advertised features, and/or have incurred or will be required to incur costs to replace or repair  
12 their PS3 with a personal computer.

13         251. As a direct and proximate result of Defendant's violations of Cal. Bus. & Prof.  
14 Code §§ 17200, et seq., Plaintiffs were injured in fact and lost money and property. Specifically,  
15 Defendant knowingly used promises and representations regarding the PS3's functions and  
16 attributes, as well as Defendant's commitment to provide "updates" to maintain the currency and  
17 improve the functionality of PS3, for the purpose of inducing Plaintiffs and the Class to purchase  
18 the PS3. At the same time it was making these promises and representations, Defendant either  
19 lacked the intent to fulfill them and/or knowingly "buried" terms in contract documents that  
20 purported to give it the unilateral right to breach those promises and representations. As a result of  
21 these acts, Defendant should be required to make restitution to Plaintiffs and the Class members or  
22 make restitutionary disgorgement of its ill-gotten profits pursuant to Cal. Bus. & Prof. Code §  
23 17203.

24         252. The refusal to reverse Update 3.21 and the threat of future modifications to the  
25 specifications as represented, advertised, and disseminated to the class constitute ongoing  
26 violations of Cal. Bus. & Prof. Code §§ 17200, et seq., and justify an issuance of an injunction  
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1 requiring Defendant to act in accordance with the law. There is no other adequate remedy at law  
2 and if an injunction is not ordered, Plaintiffs and the Class will suffer irreparable harm and/or  
3 injury in that they will not receive the benefit of their bargain, namely, products that work as  
4 represented. All remedies are cumulative pursuant to Cal. Bus. & Prof. Code § 17205.

5 253. Plaintiffs, on behalf of themselves and all others similarly situated, demand  
6 judgment against Defendant for injunctive relief in the form of restitution, and/or restitutionary  
7 disgorgement, and/or injunctive relief in the form of enabling the Other OS function of the PS3,  
8 and an award of attorneys' fees under California Code of Civil Procedure section 1021.5.

9 **PRAYER FOR RELIEF**

10 Plaintiffs, on behalf of themselves and all others similarly situated, request that the Court  
11 enter judgment against Defendant, as follows:

- 12 A. An order certifying the proposed Class, designating Plaintiffs as the named  
13 representatives of the Class, and designating the undersigned as Class Counsel;
- 14 B. An order enjoining Defendant from further deceptive advertising, marketing,  
15 distribution, and sales practices with respect to the PS3 and to enable the Other OS feature on the  
16 PS3;
- 17 C. An award to Plaintiffs and the Class of compensatory, consequential, punitive and  
18 statutory damages, including interest thereon, in an amount to be proven at trial;
- 19 D. An order requiring the restitution and restitutionary disgorgement to the Class of all  
20 profits unlawfully obtained by Defendant;
- 21 E. An award of attorneys' fees and costs, as allowed by law;
- 22 F. An award of pre-judgment and post-judgment interest, as provided by law;
- 23 G. For leave to amend the Complaint to conform to the evidence produced at trial; and
- 24 H. Such other or further relief as may be appropriate under the circumstances.

25 **DEMAND FOR JURY TRIAL**

26 Plaintiffs, on behalf of themselves and all others similarly situated, demand a trial by jury  
27  
28

1 of any and all issues in this action so triable.

2  
3 Dated: May 29, 2014

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*Counsel for Plaintiffs*

1 I, William N. Hebert, am the ECF user whose ID and password are being used to file this  
2 SECOND AMENDED CONSOLIDATED CLASS ACTION COMPLAINT. In compliance with  
3 General Order 45, X.B., I hereby attest that Rosemary M. Rivas and James Pizzirusso have  
4 concurred in this filing.

5 Dated: May 29, 2014

**CALVO FISHER & JACOB LLP**

6  
7 /s/ William N. Hebert  
8 William N. Hebert  
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**DECLARATION OF WILLIAM N. HEBERT**

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I, William N. Hebert, declare as follows:

1. I am a partner with the law firm Calvo Fisher & Jacob LLP, one of the firms appointed as Co-Interim Lead Counsel for Plaintiffs in this consolidated action. I am admitted to practice law in California and before this Court, and am a member in good standing of the State Bar of California. This declaration is made pursuant to California Civil Code section 1780(c). I make this declaration based on my law firm’s research of public records and also upon personal knowledge and, if called upon to do so, could and would testify competently thereto.

2. Public records indicate that Defendant’s principal place of business is within this District, as alleged in the accompanying Second Amended Consolidated Class Action Complaint.

I declare under penalty of perjury under the laws of the United States on this 29th day of May, 2014 in San Francisco, California that the foregoing is true and correct.

/s/ William N. Hebert  
William N. Hebert

**PROOF OF SERVICE**

I hereby certify that on May 29, 2014, I electronically filed the foregoing with the Clerk of the Court for the United State District Court for the Northern District of California by using the Northern District of California CM/ECF system.

I certify that all participants in the case are registered CM/ECF users and that service will be accomplished by the Northern District of California CM/ECF system.

/s/ William N. Hebert  
William N. Hebert

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