

APPENDIX G
Sources of Payment Unit Estimates for FY 2009

In order to calculate individual service fees for FY 2009, we adjusted FY 2008 payment units for each service to more accurately reflect expected FY 2009 payment liabilities. We obtained our updated estimates through a variety of means. For example, we used Commission licensee data bases, actual prior year payment records and industry and trade association projections when available. The databases we consulted include our Universal Licensing System (“ULS”), International Bureau Filing System (“IBFS”), Consolidated Database System (“CDBS”) and Cable Operations and Licensing System (“COALS”), as well as reports generated within the Commission such as the Wireline Competition Bureau’s *Trends in Telephone Service* and the Wireless Telecommunications Bureau’s *Numbering Resource Utilization Forecast*.

We tried to obtain verification for these estimates from multiple sources and, in all cases; we compared FY 2009 estimates with actual FY 2008 payment units to ensure that our revised estimates were reasonable. Where appropriate, we adjusted and/or rounded our final estimates to take into consideration the fact that certain variables that impact on the number of payment units cannot yet be estimated exactly. These include an unknown number of waivers and/or exemptions that may occur in FY 2009 and the fact that, in many services, the number of actual licensees or station operators fluctuates from time to time due to economic, technical, or other reasons. When we note, for example, that our estimated FY 2009 payment units are based on FY 2008 actual payment units, it does not necessarily mean that our FY 2009 projection is exactly the same number as FY 2008. We have either rounded the FY 2009 number or adjusted it slightly to account for these variables.

FEE CATEGORY	SOURCES OF PAYMENT UNIT ESTIMATES
Land Mobile (All), Microwave, 218-219 MHz, Marine (Ship & Coast), Aviation (Aircraft & Ground), GMRS, Amateur Vanity Call Signs, Domestic Public Fixed	Based on Wireless Telecommunications Bureau (“WTB”) projections of new applications and renewals taking into consideration existing Commission licensee data bases. Aviation (Aircraft) and Marine (Ship) estimates have been adjusted to take into consideration the licensing of portions of these services on a voluntary basis.
CMRS Cellular/Mobile Services	Based on WTB projection reports, and FY 08 payment data.
CMRS Messaging Services	Based on WTB reports, and FY 08 payment data.
AM/FM Radio Stations	Based on CDBS data, adjusted for exemptions, and actual FY 2008 payment units.
UHF/VHF Television Stations	Based on CDBS data, adjusted for exemptions, and actual FY 2008 payment units.
AM/FM/TV Construction Permits	Based on CDBS data, adjusted for exemptions, and actual FY 2008 payment units.
LPTV, Translators and Boosters, Class A Television	Based on CDBS data, adjusted for exemptions, and actual FY 2007 payment units.
Broadcast Auxiliaries	Based on actual FY 2008 payment units.
BRS (formerly MDS/MMDS)	Based on WTB reports and actual FY 2008 payment units.
LMDS	Based on WTB reports and actual FY 2008 payment units.

Cable Television Relay Service ("CARS") Stations	Based on data from Media Bureau's COALS database and actual FY 2008 payment units.
Cable Television System Subscribers	Based on publicly available data sources for estimated subscriber counts and actual FY 2008 payment units.
Interstate Telecommunication Service Providers	Based on FCC Form 499-Q data for the four quarters of calendar year 2008, the Wireline Competition Bureau projected the amount of calendar year 2008 revenue that will be reported on 2008 FCC Form 499-A worksheets in April, 2009.
Earth Stations	Based on International Bureau ("IB") licensing data and actual FY 2008 payment units.
Space Stations (GSOs & NGSOs)	Based on IB data reports and actual FY 2008 payment units.
International Bearer Circuits	Based on IB reports and actual FY 2008 payment units.
International HF Broadcast Stations, International Public Fixed Radio Service	Based on IB reports and actual FY 2008 payment units.

APPENDIX H
Calculation of FY 2009 Revenue Requirements and Pro-Rata Fees

Regulatory fees for the categories shaded in gray are collected by the Commission in advance to cover the term of the license and are submitted along with the application at the time the application is filed.

Fee Category	FY 2009 Payment Units	Years	FY 2008 Revenue Estimate	Pro-Rated FY 2009 Revenue Require- ment	Computed New FY 2009 Regulatory Fee	Round ed New FY 2009 Regula- tory Fee	Expected FY 2009 Revenue
PLMRS (Exclusive Use)	1,200	10	460,000	501,932	42	40	480,000
PLMRS (Shared use)	11,500	10	2,300,000	2,509,659	22	20	2,300,000
Microwave	7,500	10	1,960,000	2,138,666	29	30	2,250,000
218-219 MHz (Formerly TVDS)	3	10	1,800	1,964	63	63	1,950
Marine (Ship)	7,500	10	840,000	916,571	12	10	750,000
GMRS	11,000	5	350,000	381,905	7	5	275,000
Aviation (Aircraft)	7,000	10	375,000	409,183	6	5	350,000
Marine (Coast)	275	10	108,500	118,390	43	45	123,750
Aviation (Ground)	1,500	10	170,000	185,497	12	10	150,000
Amateur Vanity Call Signs	15,000	10	184,500	201,318	1.34	1.34	201,000
AM Class A	65	1	227,500	248,238	3,819	3,825	248,625
AM Class B	1,567	1	2,737,000	2,986,494	1,906	1,900	2,977,300
AM Class C	938	1	958,375	1,045,737	1,115	1,125	1,055,250
AM Class D	1,715	1	3,241,400	3,536,873	2,062	2,050	3,515,750
FM Classes A, B1 & C3	3,045	1	6,764,000	7,376,081	2,422	2,425	7,384,125
FM Classes B, C, C0, C1 & C2	3,051	1	8,292,175	9,043,557	2,964	2,975	9,076,725
AM Construction Permits	90	1	39,425	43,019	478	480	43,200
FM Construction Permits ¹	315	1	179,400	204,750	650	650	204,750
Satellite TV	127	1	149,225	162,828	1,282	1,275	161,925
Satellite TV Construction Permit	3	1	1,785	1,948	649	650	1,950

Fee Category	FY 2009 Payment Units	Years	FY 2008 Revenue Estimate	Pro-Rated FY 2009 Revenue Require- ment	Computed New FY 2009 Regulatory Fee	Round ed New FY 2009 Regula- -tory Fee	Expected FY 2009 Revenue
VHF Markets 1-10	42	1	2,984,100	3,257,932	77,570	77,575	3,258,150
VHF Markets 11-25	55	1	3,050,925	3,330,848	60,561	60,550	3,330,250
VHF Markets 26-50	75	1	2,581,425	2,818,550	37,581	37,575	2,818,125
VHF Markets 51-100	118	1	2,480,950	2,708,256	22,951	22,950	2,708,100
VHF Remaining Markets	200	1	1,092,000	1,191,542	5,958	5,950	1,190,000
VHF Construction Permits ¹	3	1	22,400	17,850	5,950	5,950	17,850
UHF Markets 1-10	87	1	1,931,475	2,109,219	24,244	24,250	2,109,750
UHF Markets 11-25	81	1	1,596,950	1,744,200	21,533	21,525	1,743,525
UHF Markets 26-50	110	1	1,344,700	1,468,956	13,354	13,350	1,468,500
UHF Markets 51-100	164	1	1,142,400	1,247,604	7,607	7,600	1,246,400
UHF Remaining Markets	195	1	347,400	379,068	1,944	1,950	380,250
UHF Construction Permits ¹	15	1	32,400	29,250	1,950	1,950	29,250
Broadcast Auxiliaries	27,500	1	276,000	301,159	11	10	275,000
LPTV/Trans- lators/Boosters/ Class A TV	3,450	1	1,277,500	1,393,952	404	400	1,380,000
CARS Stations	650	1	153,750	167,765	258	260	169,000
Cable TV Systems	64,500,000	1	51,840,000	56,565,522	0.8769	0.88	56,760,000
Interstate Tele- communication Service Providers	\$46,800,000,000	1	146,638,000	160,004,920	0.0034189	0.00342	160,056,000
CMRS Mobile Services (Cellular/Public Mobile)	270,000,000	1	44,200,000	48,280,138	0.1788	0.180	48,600,000

Fee Category	FY 2009 Payment Units	Years	FY 2008 Revenue Estimate	Pro-Rated FY 2009 Revenue Require- ment	Computed New FY 2009 Regulatory Fee	Round ed New FY 2009 Regula- -tory Fee	Expected FY 2009 Revenue
CMRS Messag. Services	7,000,000	1	560,000	560,000	0.080	0.080	560,000
BRS ²	1,725	1	501,500	552,000	320	320	552,000
LMDS	335	1	98,825	107,200	320	320	107,200
International Bearer Circuits	10,500,000	1	8,137,500	8,879,281	.846	.85	8,925,000
International Public Fixed	1	1	2,025	2,210	2,210	2,200	2,200
Earth Stations	4,050	1	780,000	851,102	210	210	850,500
International HF Broadcast	5	1	4,300	4,692	938	950	4,750
Space Stations (Geostationary)	87	1	10,140,500	11,064,866	127,182	127,175	11,064,225
Space Stations (Non- Geostationary)	6	1	754,500	823,277	137,213	137,225	823,350
***** Total Estimated Revenue to be Collected			313,311,610	341,875,966			341,980,675
***** Total Revenue Requirement			312,000,000	341,875,000			341,875,000
Difference			1,311,610	966			105,675

¹ The FM Construction Permit revenues and the VHF and UHF Construction Permit revenues were adjusted to set the regulatory fee to an amount no higher than the lowest licensed fee for that class of service. The reductions in the FM Construction Permit revenues are offset by increases in the revenue totals for FM radio stations. Similarly, reductions in the VHF and UHF Construction Permit revenues are offset by increases in the revenue totals for VHF and UHF television stations, respectively.

² MDS/MMDS category was renamed Broadband Radio Service (BRS). See *Amendment of Parts 1, 21, 73, 74 and 101 of the Commission's Rules to Facilitate the Provision of Fixed and Mobile Broadband Access, Educational and Other Advanced Services in the 2150-2162 and 2500-2690 MHz Bands*, Report & Order and Further Notice of Proposed Rulemaking, 19 FCC Rcd 14165, 14169, ¶ 6 (2004).

APPENDIX I
Proposed FY 2009 Schedule of Regulatory Fees

Regulatory fees for the categories shaded in gray are collected by the Commission in advance to cover the term of the license and are submitted along with the application at the time the application is filed.

Fee Category	Annual Regulatory Fee (U.S. \$'s)
PLMRS (per license) (Exclusive Use) (47 CFR part 90)	40
Microwave (per license) (47 CFR part 101)	30
218-219 MHz (Formerly Interactive Video Data Service) (per license) (47 CFR part 95)	65
Marine (Ship) (per station) (47 CFR part 80)	10
Marine (Coast) (per license) (47 CFR part 80)	45
General Mobile Radio Service (per license) (47 CFR part 95)	5
Rural Radio (47 CFR part 22) (previously listed under the Land Mobile category)	20
PLMRS (Shared Use) (per license) (47 CFR part 90)	20
Aviation (Aircraft) (per station) (47 CFR part 87)	5
Aviation (Ground) (per license) (47 CFR part 87)	10
Amateur Vanity Call Signs (per call sign) (47 CFR part 97)	1.34
CMRS Mobile/Cellular Services (per unit) (47 CFR parts 20, 22, 24, 27, 80 and 90)	.18
CMRS Messaging Services (per unit) (47 CFR parts 20, 22, 24 and 90)	.08
Broadband Radio Service (formerly MMDS/ MDS) (per license) (47 CFR part 21)	320
Local Multipoint Distribution Service (per call sign) (47 CFR, part 101)	320
AM Radio Construction Permits	480
FM Radio Construction Permits	650
TV (47 CFR part 73) VHF Commercial	
Markets 1-10	77,575
Markets 11-25	60,550
Markets 26-50	37,575
Markets 51-100	22,950
Remaining Markets	5,950
Construction Permits	5,950

Fee Category	Annual Regulatory Fee (U.S. \$'s)
TV (47 CFR part 73) UHF Commercial	
Markets 1-10	24,250
Markets 11-25	21,525
Markets 26-50	13,350
Markets 51-100	7,600
Remaining Markets	1,950
Construction Permits	1,950
Satellite Television Stations (All Markets)	1,275
Construction Permits – Satellite Television Stations	650
Low Power TV, Class A TV, TV/FM Translators & Boosters (47 CFR part 74)	400
Broadcast Auxiliaries (47 CFR part 74)	10
CARS (47 CFR part 78)	260
Cable Television Systems (per subscriber) (47 CFR part 76)	.88
Interstate Telecommunication Service Providers (per revenue dollar)	.00342
Earth Stations (47 CFR part 25)	210
Space Stations (per operational station in geostationary orbit) (47 CFR part 25) also includes DBS Service (per operational station) (47 CFR part 100)	127,175
Space Stations (per operational system in non-geostationary orbit) (47 CFR part 25)	137,225
International Bearer Circuits (per active 64KB circuit) ¹	.85
International Public Fixed (per call sign) (47 CFR part 23)	2,200
International (HF) Broadcast (47 CFR part 73)	950

¹ As discussed previously herein, we recently revised the Commission's IBC fee rules by adopting a new methodology for calculating regulatory fees on both common carrier and non-common carrier international submarine cable systems based on a per system fee. *See Submarine Cable Order*. Under section 9(b)(4)(B) of the Act, we must notify Congress 90 days before a permitted amendment to the regulatory fees can take effect. The 90 day period will elapse as of July 15, 2009. For this reason, we are calculating proposed regulatory fees for FY 2009 for this service using both the new methodology and the old (pre-FY 2009) methodology. See Appendix A for the proposed regulatory fees for international submarine cable systems based on the new methodology adopted in the *Submarine Cable Order*. Appendix I contains the proposed regulatory fees for international submarine cable systems based on the current methodology which remains in effect pending the Congressional notification process. If the 90 day period elapses without Congressional objection to the permitted amendment, we will use the new methodology contained in Appendix A to calculate submarine cable fees in our FY 2009 report and order. Terrestrial and satellite facilities do not have cable landing licenses and will continue to pay regulatory fees on a per 64KB circuit basis, under our historic methodology as revised in the *Submarine Cable Order*. *See Submarine Cable Order* at ¶ 20.

FY 2009 SCHEDULE OF REGULATORY FEES (continued)

FY 2009 RADIO STATION REGULATORY FEES						
Population Served	AM Class A	AM Class B	AM Class C	AM Class D	FM Classes A, B1 & C3	FM Classes B, C, C0, C1 & C2
<=25,000	\$675	\$550	\$500	\$575	\$650	\$825
25,001 – 75,000	\$1,350	\$1,075	\$750	\$875	\$1,325	\$1,450
75,001 – 150,000	\$2,025	\$1,350	\$1,000	\$1,450	\$1,825	\$2,725
150,001 – 500,000	\$3,050	\$2,300	\$1,500	\$1,725	\$2,800	\$3,550
500,001 – 1,200,000	\$4,400	\$3,500	\$2,500	\$2,875	\$4,450	\$5,225
1,200,001 – 3,000,00	\$6,750	\$5,400	\$3,750	\$4,600	\$7,250	\$8,350
>3,000,000	\$8,100	\$6,475	\$4,750	\$5,750	\$9,250	\$10,850

APPENDIX J
**Factors, Measurements, and Calculations that go into Determining Station Signal Contours
and Associated Population Coverages**

AM Stations

For stations with nondirectional daytime antennas, the theoretical radiation was used at all azimuths. For stations with directional daytime antennas, specific information on each day tower, including field ratio, phasing, spacing and orientation was retrieved, as well as the theoretical pattern root-mean-square of the radiation in all directions in the horizontal plane ("RMS") figure milliVolt per meter (mV/m) @ 1 km) for the antenna system. The standard, or modified standard if pertinent, horizontal plane radiation pattern was calculated using techniques and methods specified in §§73.150 and 73.152 of the Commission's rules.¹ Radiation values were calculated for each of 360 radials around the transmitter site. Next, estimated soil conductivity data was retrieved from a database representing the information in FCC Figure R3.² Using the calculated horizontal radiation values, and the retrieved soil conductivity data, the distance to the principal community (5 mV/m) contour was predicted for each of the 360 radials. The resulting distance to principal community contours were used to form a geographical polygon. Population counting was accomplished by determining which 2000 block centroids were contained in the polygon. (A block centroid is the center point of a small area containing population as computed by the U.S. Census Bureau.) The sum of the population figures for all enclosed blocks represents the total population for the predicted principal community coverage area.

FM Stations

The greater of the horizontal or vertical effective radiated power ("ERP") (kW) and respective height above average terrain ("HAAT") (m) combination was used. Where the antenna height above mean sea level ("HAMSL") was available, it was used in lieu of the average HAAT figure to calculate specific HAAT figures for each of 360 radials under study. Any available directional pattern information was applied as well, to produce a radial-specific ERP figure. The HAAT and ERP figures were used in conjunction with the Field Strength (50-50) propagation curves specified in 47 C.F.R. § 73.313 of the Commission's rules to predict the distance to the principal community (70 dBu (decibel above 1 microVolt per meter) or 3.17 mV/m) contour for each of the 360 radials.³ The resulting distance to principal community contours were used to form a geographical polygon. Population counting was accomplished by determining which 2000 block centroids were contained in the polygon. The sum of the population figures for all enclosed blocks represents the total population for the predicted principal community coverage area.

¹ 47 C.F.R. §§ 73.150 and 73.152.

² See Map of Estimated Effective Ground Conductivity in the United States, 47 C.F.R. § 73.190 Figure R3.

³ 47 C.F.R. § 73.313

APPENDIX K
FY 2008 Schedule of Regulatory Fees

Fee Category	Annual Regulatory Fee (U.S. \$'s)
PLMRS (per license) (Exclusive Use) (47 CFR part 90)	40
Microwave (per license) (47 CFR part 101)	40
218-219 MHz (Formerly Interactive Video Data Service) (per license) (47 CFR part 95)	60
Marine (Ship) (per station) (47 CFR part 80)	10
Marine (Coast) (per license) (47 CFR part 80)	35
General Mobile Radio Service (per license) (47 CFR part 95)	5
Rural Radio (47 CFR part 22) (previously listed under the Land Mobile category)	20
PLMRS (Shared Use) (per license) (47 CFR part 90)	20
Aviation (Aircraft) (per station) (47 CFR part 87)	5
Aviation (Ground) (per license) (47 CFR part 87)	10
Amateur Vanity Call Signs (per call sign) (47 CFR part 97)	1.23
CMRS Mobile/Cellular Services (per unit) (47 CFR parts 20, 22, 24, 27, 80 and 90)	.17
CMRS Messaging Services (per unit) (47 CFR parts 20, 22, 24 and 90)	.08
Broadband Radio Service (formerly MMDS/ MDS) (per license sign) (47 CFR part 21)	295
Local Multipoint Distribution Service (per call sign) (47 CFR, part 101)	295
AM Radio Construction Permits	415
FM Radio Construction Permits	600
TV (47 CFR part 73) VHF Commercial	
Markets 1-10	71,050
Markets 11-25	53,525
Markets 26-50	33,525
Markets 51-100	21,025
Remaining Markets	5,600
Construction Permits	5,600
TV (47 CFR part 73) UHF Commercial	
Markets 1-10	21,225

Fee Category	Annual Regulatory Fee (U.S. \$'s)
Markets 11-25	19,475
Markets 26-50	11,900
Markets 51-100	6,800
Remaining Markets	1,800
Construction Permits	1,800
Satellite Television Stations (All Markets)	1,175
Construction Permits – Satellite Television Stations	595
Low Power TV, TV/FM Translators & Boosters (47 CFR part 74)	365
Broadcast Auxiliary (47 CFR part 74)	10
CARS (47 CFR part 78)	205
Cable Television Systems (per subscriber) (47 CFR part 76)	.80
Interstate Telecommunication Service Providers (per revenue dollar)	.00314
Earth Stations (47 CFR part 25)	195
Space Stations (per operational station in geostationary orbit) (47 CFR part 25) also includes Direct Broadcast Satellite Service (per operational station) (47 CFR part 100)	119,300
Space Stations (per operational system in non-geostationary orbit) (47 CFR part 25)	125,750
International Bearer Circuits (per active 64KB circuit)	.93
International Public Fixed (per call sign) (47 CFR part 23)	2,025
International (HF) Broadcast (47 CFR part 73)	860

FY 2008 SCHEDULE OF REGULATORY FEES (continued)

FY 2008 RADIO STATION REGULATORY FEES						
Population Served	AM Class A	AM Class B	AM Class C	AM Class D	FM Classes A, B1 & C3	FM Classes B, C, C0, C1 & C2
<=25,000	\$650	\$500	\$450	\$525	\$600	\$775
25,001 – 75,000	\$1,325	\$1,025	\$650	\$775	\$1,225	\$1,375
75,001 – 150,000	\$1,975	\$1,275	\$875	\$1,300	\$1,675	\$2,550
150,001 – 500,000	\$2,975	\$2,175	\$1,325	\$1,550	\$2,600	\$3,325
500,001 – 1,200,000	\$4,300	\$3,325	\$2,200	\$2,575	\$4,125	\$4,900
1,200,001 – 3,000,00	\$6,600	\$5,100	\$3,300	\$4,125	\$6,700	\$7,850
>3,000,000	\$7,925	\$6,125	\$4,175	\$5,150	\$8,550	\$10,200

**STATEMENT OF
ACTING CHAIRMAN MICHAEL J. COPPS**

Re: *Assessment and Collection of Regulatory Fees for Fiscal Year 2009*, MD Docket No. 09-65,
Assessment and Collection of Regulatory Fees for Fiscal Year 2008, MD Docket No. 08-65

This item begins the process of assessing regulatory fees for this fiscal year (FY 2009) pursuant to Section 9 of the Communications Act. Section 9 requires that the Commission collect fees each year to recover the regulatory costs that are associated with its enforcement, policy and rulemaking, user information, and international activities.

I am particularly pleased that the Notice of Proposed Rulemaking includes the new methodology for calculating regulatory fees for submarine cable operators finally adopted by the Commission in March. Implementing this new methodology, however, is only a precursor of our completion of a long overdue, comprehensive review of the Commission's regulatory fee framework, a project that my colleague Jonathan Adelstein and I have been pushing for years and that was finally launched by the Commission last August. As I have said before, it is hard to believe that we are still generally assessing fees based on the communications marketplace as it existed in 1994. To be frank, we are not yet able to say what a modernized fee structure will look like. But I do intend to press the Commission for action on this before we issue next year's Notice of Proposed Rulemaking for FY 2010. I look forward to working with my fellow Commissioners and interested stakeholders to update our rules to accurately and equitably reflect today's regulatory practices.