

In Building Coaxial Cable Distribution System (IBCCDS)
Frequency Layout Plan

Table A - Frequency Allocation Plan (Upstream) in the Range of 5-54 MHz

Frequency Range	TA Statement Allocation	Existing Assignment
5-8.3 MHz	Upstream signals of Broadcasting and telecommunications services	To be planned
8.3-10.4 MHz		Broadcasting (Pay TV)
10.4-11 MHz		To be planned
11-16 MHz		Telecommunications
16-21 MHz		Telecommunications
21-25 MHz		Telecommunications
25-25.8 MHz		Telecommunications
25.8-27.4 MHz		Telecommunications
27.4-29 MHz		Telecommunications
29-30.6 MHz		Telecommunications
30.6-32.2 MHz		Telecommunications
32.2-33.8 MHz		Telecommunications
33.8-35.4 MHz		Telecommunications
35.4-37 MHz		Telecommunications
37-38.6 MHz		Telecommunications
38.6-40.2 MHz	Telecommunications	
40.2-41.8 MHz	Telecommunications	
41.8-50 MHz	Telecommunications	
50-53.275 MHz	Guard Band	Guard Band
53.275-53.425 MHz	Broadcasting (downstream data)	Broadcasting (Pay TV)
53.425-54 MHz	To be planned	To be planned

Table B - Frequency Allocation Plan (Downstream) in the Range of 54-470 MHz

Channel Number	Frequency Range	TA Statement Allocation	Existing Assignment	Remark
C 1	54-62 MHz	TV or telecommunications services	Pay TV	
C 2	62-70 MHz	TV or telecommunications services	Pay TV	
C 3	70-78 MHz	TV or telecommunications services	Pay TV	
C 4	78-86 MHz	To be planned	Pay TV	strong signals from mobile radio systems
C 5	86-94 MHz	86-87 MHz (TV or telecommunications services) 87-108 MHz (FM radio)	86-87 MHz (to be planned)	
C 6	94-102 MHz		87-108 MHz (FM radio)	
C 7	102-110 MHz			
C 8	110-118 MHz	To be planned	Pay TV	
C 9	118-126 MHz	To be planned	To be planned	121.3-121.7 MHz (prohibited for use)
C 10	126-134 MHz	TV or telecommunications services	Pay TV	
C 11	134-142 MHz	TV or telecommunications services	Pay TV	
C 12	142-150 MHz	TV or telecommunications services	Pay TV	
C 13	150-158 MHz	TV or telecommunications services	To be planned	156.6-157 MHz (prohibited for use)
C 14	158-166 MHz	TV or telecommunications services	Pay TV	
C 15	166-174 MHz	To be planned	To be planned	strong paging signals
C 16	174-182 MHz	TV or telecommunications services	Pay TV	
C 17	182-190 MHz	TV or telecommunications services	Pay TV	
C 18	190-198 MHz	TV or telecommunications services	Pay TV	
C 19	198-206 MHz	TV or telecommunications services	Pay TV	
C 20	206-214 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 21	214-222 MHz	TV or telecommunications services	To be planned	Earmarked to Digital Pay TV
C 22	222-230 MHz	TV or telecommunications services	Pay TV	Earmarked to Digital Pay TV
C 23	230-238 MHz	TV or telecommunications services	Pay TV	Digital Pay TV
C 24	238-246 MHz	TV or telecommunications services	To be planned	242.8-243.2 MHz (prohibited for use)
C 25	246-254 MHz	TV or telecommunications services	Pay TV	Digital Pay TV
C 26	254-262 MHz	TV or telecommunications services	Pay TV	Digital Pay TV
C 27	262-270 MHz	TV or telecommunications services	Pay TV	Digital Pay TV
C 28	270-278 MHz	TV or telecommunications services	Pay TV	Digital Pay TV
C 29	278-286 MHz	To be planned	To be planned	strong paging signals
C 30	286-294 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 31	294-302 MHz	TV or telecommunications services	To be planned	Earmarked for Digital Pay TV
C 32	302-310 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 33	310-318 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 34	318-326 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 35	326-334 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 36	334-342 MHz	TV or telecommunications services	Telecom (336-342 MHz)	Cable modem
C 37	342-350 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 38	350-358 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 39	358-366 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 40	366-374 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 41	374-382 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 42	382-390 MHz	TV or telecommunications services	Pay TV	Earmarked for Digital Pay TV
C 43	390-398 MHz	TV or telecommunications services	Pay TV	To be released
C 44	398-406 MHz	TV or telecommunications services	Pay TV	To be released
C 45	406-414 MHz	TV or telecommunications services	Pay TV	To be released
C 46	414-422 MHz	TV or telecommunications services	Pay TV	To be released
C 47	422-430 MHz	TV or telecommunications services	Pay TV	To be released
C 48	430-438 MHz	TV or telecommunications services	Pay TV	To be released
C 49	438-446 MHz	Telecommunications services	FTNS 438-444 MHz	Cable modem
C 50	446-454 MHz	Telecommunications services	FTNS 444-450 MHz FTNS 450-456 MHz	Cable modem Cable modem
C 51	454-462 MHz	Telecommunications services	FTNS 456-462 MHz	Cable modem
C 52	462-470 MHz	TV or telecommunications services	FTNS 462-466 MHz to be planned 466-470 MHz	Cable telephony

Table C - Frequency Allocation Plan (downstream) in the Range of 470-862 MHz

Channel Number	Frequency Range	TA Statement Allocation	Existing Assignment
E 21	470-478 MHz	TV or telecommunications services	Broadcasting services
E 22	478-486 MHz	TV or telecommunications services	Broadcasting services
E 23	486-494 MHz	TV or telecommunications services	Broadcasting services
E 24	494-502 MHz	TV or telecommunications services	Broadcasting services
E 25	502-510 MHz	TV or telecommunications services	Broadcasting services
E 26	510-518 MHz	TV or telecommunications services	Broadcasting services
E 27	518-526 MHz	TV or telecommunications services	Broadcasting services
E 28	526-534 MHz	TV or telecommunications services	Broadcasting services
E 29	534-542 MHz	TV or telecommunications services	Broadcasting services
E 30	542-550 MHz	TV or telecommunications services	Broadcasting services
E 31	550-558 MHz	TV or telecommunications services	Broadcasting services
E 32	558-566 MHz	TV or telecommunications services	Broadcasting services
E 33	566-574 MHz	TV or telecommunications services	Broadcasting services
E 34	574-582 MHz	TV or telecommunications services	Broadcasting services
E 35	582-590 MHz	TV or telecommunications services	Broadcasting services
E 36	590-598 MHz	TV or telecommunications services	Broadcasting services
E 37	598-606 MHz	TV or telecommunications services	Broadcasting services
E 38	606-614 MHz	TV or telecommunications services	Broadcasting services
E 39	614-622 MHz	TV or telecommunications services	Broadcasting services
E 40	622-630 MHz	TV or telecommunications services	Broadcasting services
E 41	630-638 MHz	TV or telecommunications services	Broadcasting services
E 42	638-646 MHz	TV or telecommunications services	Broadcasting services
E 43	646-654 MHz	TV or telecommunications services	Broadcasting services
E 44	654-662 MHz	TV or telecommunications services	Broadcasting services
E 45	662-670 MHz	TV or telecommunications services	Broadcasting services
E 46	670-678 MHz	TV or telecommunications services	Broadcasting services
E 47	678-686 MHz	TV or telecommunications services	Broadcasting services
E 48	686-694 MHz	TV or telecommunications services	Broadcasting services
E 49	694-702 MHz	TV or telecommunications services	Broadcasting services
E 50	702-710 MHz	Telecommunications services	702 – 726 are partitioned into four 6MHz cable modem channels D7, D8, D9 and D10 (pls see Table E)
E 51	710-718 MHz	Telecommunications services	
E 52	718-726 MHz	Telecommunications services	
E 53	726-734 MHz	TV or Telecommunications services	
E 54	734-742 MHz	TV or telecommunications services	Broadcasting services
E 55	742-750 MHz	TV or telecommunications services	Broadcasting services
E 56	750-758 MHz	TV or telecommunications services	Broadcasting services
E 57	758-766 MHz	TV or telecommunications services	Broadcasting services
E 58	766-774 MHz	RF outputs of set-top boxes	Terrestrial TV and RF outputs of set-top boxes
E 59	774-782 MHz	RF outputs of set-top boxes	RF outputs of set-top boxes
E 60	782-790 MHz	RF outputs of set-top boxes	Terrestrial TV and RF outputs of set-top boxes
E 61	790-798 MHz	TV or telecommunications services	Broadcasting services
E 62	798-806 MHz	TV or telecommunications services	Broadcasting services
E 63	806-814 MHz	TV or telecommunications services	Broadcasting services
E 64	814-822 MHz	TV or telecommunications services	Broadcasting services
E 65	822-830 MHz	TV or telecommunications services	Broadcasting services
E 66	830-838 MHz	TV or telecommunications services	Broadcasting services
E 67	838-846 MHz	TV or telecommunications services	Broadcasting services
E 68	846-854 MHz	TV or telecommunications services	Broadcasting services
E 69	854-862 MHz	TV or telecommunications services	Broadcasting services
	862 MHz or above	TV or telecommunications services	Broadcasting of telecommunications

**Table D - Frequency Allocation Plan (Downstream) in the
Range of 950 – 2050 MHz With the Use of IF Transmission**

Channel Number	Frequency Range (MHz)	Proposed Allocation
IF 1	950 - 956	TV or telecommunications services
IF 2	956 - 962	TV or telecommunications services
IF 3	962 - 968	TV or telecommunications services
IF 4	968 - 974	TV or telecommunications services
IF 5	974 - 980	TV or telecommunications services
IF 6	980 - 986	TV or telecommunications services
IF 7	986 - 992	TV or telecommunications services
IF 8	992 - 998	TV or telecommunications services
IF 9	998 - 1004	TV or telecommunications services
IF 10	1004 - 1010	TV or telecommunications services
IF 11	1010 - 1016	TV or telecommunications services
IF 12	1016 - 1022	TV or telecommunications services
IF 13	1022 - 1028	TV or telecommunications services
IF 14	1028 - 1034	TV or telecommunications services
IF 15	1034 - 1040	TV or telecommunications services
IF 16	1040 - 1046	TV or telecommunications services
IF 17	1046 - 1052	TV or telecommunications services
IF 18	1052 - 1058	TV or telecommunications services
IF 19	1058 - 1064	TV or telecommunications services
IF 20	1064 - 1070	TV or telecommunications services
IF 21	1070 - 1076	TV or telecommunications services
IF 22	1076 - 1082	TV or telecommunications services
IF 23	1082 - 1088	TV or telecommunications services
IF 24	1088 - 1094	TV or telecommunications services
IF 25	1094 - 1100	TV or telecommunications services
IF 26	1100 - 1106	TV or telecommunications services
IF 27	1106 - 1112	TV or telecommunications services
IF 28	1112 - 1118	TV or telecommunications services
IF 29	1118 - 1124	TV or telecommunications services
IF 30	1124 - 1130	TV or telecommunications services
IF 31	1130 - 1136	TV or telecommunications services
IF 32	1136 - 1142	TV or telecommunications services
IF 33	1142 - 1148	TV or telecommunications services
IF 34	1148 - 1154	TV or telecommunications services
IF 35	1154 - 1160	TV or telecommunications services
IF 36	1160 - 1166	TV or telecommunications services
IF 37	1166 - 1172	TV or telecommunications services
IF 38	1172 - 1178	TV or telecommunications services

IF 39	1178 - 1184	TV or telecommunications services
IF 40	1184 - 1190	TV or telecommunications services
IF 41	1190 - 1196	TV or telecommunications services
IF 42	1196 - 1202	TV or telecommunications services
IF 43	1202 - 1208	TV or telecommunications services
IF 44	1208 - 1214	TV or telecommunications services
IF 45	1214 - 1220	TV or telecommunications services
IF 46	1220 - 1226	TV or telecommunications services
IF 47	1226 - 1232	TV or telecommunications services
IF 48	1232 - 1238	TV or telecommunications services
IF 49	1238 - 1244	TV or telecommunications services
IF 50	1244 - 1250	TV or telecommunications services
IF 51	1250 - 1256	TV or telecommunications services
IF 52	1256 - 1262	TV or telecommunications services
IF 53	1262 - 1268	TV or telecommunications services
IF 54	1268 - 1274	TV or telecommunications services
IF 55	1274 - 1280	TV or telecommunications services
IF 56	1280 - 1286	TV or telecommunications services
IF 57	1286 - 1292	TV or telecommunications services
IF 58	1292 - 1298	TV or telecommunications services
IF 59	1298 - 1304	TV or telecommunications services
IF 60	1304 - 1310	TV or telecommunications services
IF 61	1310 - 1316	TV or telecommunications services
IF 62	1316 - 1322	TV or telecommunications services
IF 63	1322 - 1328	TV or telecommunications services
IF 64	1328 - 1334	TV or telecommunications services
IF 65	1334 - 1340	TV or telecommunications services
IF 66	1340 - 1346	TV or telecommunications services
IF 67	1346 - 1352	TV or telecommunications services
IF 68	1352 - 1358	TV or telecommunications services
IF 69	1358 - 1364	TV or telecommunications services
IF 70	1364 - 1370	TV or telecommunications services
IF 71	1370 - 1376	TV or telecommunications services
IF 72	1376 - 1382	TV or telecommunications services
IF 73	1382 - 1388	TV or telecommunications services
IF 74	1388 - 1394	TV or telecommunications services
IF 75	1394 - 1400	TV or telecommunications services
IF 76	1400 - 1406	TV or telecommunications services
IF 77	1406 - 1412	TV or telecommunications services
IF 78	1412 - 1418	TV or telecommunications services
IF 79	1418 - 1424	TV or telecommunications services
IF 80	1424 - 1430	TV or telecommunications services
IF 81	1430 - 1436	TV or telecommunications services

IF 82	1436 - 1442	TV or telecommunications services
IF 83	1442 - 1448	TV or telecommunications services
IF 84	1448 - 1454	TV or telecommunications services
IF 85	1454 - 1460	TV or telecommunications services
IF 86	1460 - 1466	TV or telecommunications services
IF 87	1466 - 1472	TV or telecommunications services
IF 88	1472 - 1478	TV or telecommunications services
IF 89	1478 - 1484	TV or telecommunications services
IF 90	1484 - 1490	TV or telecommunications services
IF 91	1490 - 1496	TV or telecommunications services
IF 92	1496 - 1502	TV or telecommunications services
IF 93	1502 - 1508	TV or telecommunications services
IF 94	1508 - 1514	TV or telecommunications services
IF 95	1514 - 1520	TV or telecommunications services
IF 96	1520 - 1526	TV or telecommunications services
IF 97	1526 - 1532	TV or telecommunications services
IF 98	1532 - 1538	TV or telecommunications services
IF 99	1538 - 1544	TV or telecommunications services
IF 100	1544 - 1550	TV or telecommunications services
IF 101	1550 - 1556	TV or telecommunications services
IF 102	1556 - 1562	TV or telecommunications services
IF 103	1562 - 1568	TV or telecommunications services
IF 104	1568 - 1574	TV or telecommunications services
IF 105	1574 - 1580	TV or telecommunications services
IF 106	1580 - 1586	TV or telecommunications services
IF 107	1586 - 1592	TV or telecommunications services
IF 108	1592 - 1598	TV or telecommunications services
IF 109	1598 - 1604	TV or telecommunications services
IF 110	1604 - 1610	TV or telecommunications services
IF 111	1610 - 1616	TV or telecommunications services
IF 112	1616 - 1622	TV or telecommunications services
IF 113	1622 - 1628	TV or telecommunications services
IF 114	1628 - 1634	TV or telecommunications services
IF 115	1634 - 1640	TV or telecommunications services
IF 116	1640 - 1646	TV or telecommunications services
IF 117	1646 - 1652	TV or telecommunications services
IF 118	1652 - 1658	TV or telecommunications services
IF 119	1658 - 1664	TV or telecommunications services
IF 120	1664 - 1670	TV or telecommunications services
IF 121	1670 - 1676	TV or telecommunications services
IF 122	1676 - 1682	TV or telecommunications services
IF 123	1682 - 1688	TV or telecommunications services
IF 124	1688 - 1694	TV or telecommunications services

IF 125	1694 - 1700	TV or telecommunications services
IF 126	1700 - 1706	TV or telecommunications services
IF 127	1706 - 1712	TV or telecommunications services
IF 128	1712 - 1718	TV or telecommunications services
IF 129	1718 - 1724	TV or telecommunications services
IF 130	1724 - 1730	TV or telecommunications services
IF 131	1730 - 1736	TV or telecommunications services
IF 132	1736 - 1742	TV or telecommunications services
IF 133	1742 - 1748	TV or telecommunications services
IF 134	1748 - 1754	TV or telecommunications services
IF 135	1754 - 1760	TV or telecommunications services
IF 136	1760 - 1766	TV or telecommunications services
IF 137	1766 - 1772	TV or telecommunications services
IF 138	1772 - 1778	TV or telecommunications services
IF 139	1778 - 1784	TV or telecommunications services
IF 140	1784 - 1790	TV or telecommunications services
IF 141	1790 - 1796	TV or telecommunications services
IF 142	1796 - 1802	TV or telecommunications services
IF 143	1802 - 1808	TV or telecommunications services
IF 144	1808 - 1814	TV or telecommunications services
IF 145	1814 - 1820	TV or telecommunications services
IF 146	1820 - 1826	TV or telecommunications services
IF 147	1826 - 1832	TV or telecommunications services
IF 148	1832 - 1838	TV or telecommunications services
IF 149	1838 - 1844	TV or telecommunications services
IF 150	1844 - 1850	TV or telecommunications services
IF 151	1850 - 1856	TV or telecommunications services
IF 152	1856 - 1862	TV or telecommunications services
IF 153	1862 - 1868	TV or telecommunications services
IF 154	1868 - 1874	TV or telecommunications services
IF 155	1874 - 1880	TV or telecommunications services
IF 156	1880 - 1886	TV or telecommunications services
IF 157	1886 - 1892	TV or telecommunications services
IF 158	1892 - 1898	TV or telecommunications services
IF 159	1898 - 1904	TV or telecommunications services
IF 160	1904 - 1910	TV or telecommunications services
IF 161	1910 - 1916	TV or telecommunications services
IF 162	1916 - 1922	TV or telecommunications services
IF 163	1922 - 1928	TV or telecommunications services
IF 164	1928 - 1934	TV or telecommunications services
IF 165	1934 - 1940	TV or telecommunications services
IF 166	1940 - 1946	TV or telecommunications services
IF 167	1946 - 1952	TV or telecommunications services

IF 168	1952 - 1958	TV or telecommunications services
IF 169	1958 - 1964	TV or telecommunications services
IF 170	1964 - 1970	TV or telecommunications services
IF 171	1970 - 1976	TV or telecommunications services
IF 172	1976 - 1982	TV or telecommunications services
IF 173	1982 - 1988	TV or telecommunications services
IF 174	1988 - 1994	TV or telecommunications services
IF 175	1994 - 2000	TV or telecommunications services
IF 176	2000 - 2006	TV or telecommunications services
IF 177	2006 - 2012	TV or telecommunications services
IF 178	2012 - 2018	TV or telecommunications services
IF 179	2018 - 2024	TV or telecommunications services
IF 180	2024 - 2030	TV or telecommunications services
IF 181	2030 - 2036	TV or telecommunications services
IF 182	2036 - 2042	TV or telecommunications services
IF 183	2042 - 2048	TV or telecommunications services

Note:

Multiple channels would be allocated to meet the requirements of different channel bandwidths of the satellite downlink.

Table E - Frequency Allocation Plan For Telecommunications Services

Downstream Channel (6 MHz Bandwidth)	
Channel Number	Frequency Range
D1	150 - 156 MHz
D2	336 - 342 MHz
D3	438 - 444 MHz
D4	444 - 450 MHz
D5	450 - 456 MHz
D6	456 - 462 MHz
D7	702 - 708 MHz
D8	708 - 714 MHz
D9	714 - 720 MHz
D10	720 - 726 MHz

Upstream Channel (1.6 MHz Bandwidth)	
Channel Number	Frequency Range
U1	11 - 16 MHz
U2	16 - 21 MHz
U3	21 - 22.6 MHz
U4	22.6 - 24.2 MHz
U5	24.2 - 25.8 MHz
U6	25.8 - 27.4 MHz
U7	27.4 - 29 MHz
U8	29 - 30.6 MHz
U9	30.6 - 32.2 MHz
U10	32.2 - 33.8 MHz
U11	33.8 - 35.4 MHz
U12	35.4 - 37 MHz
U13	37 - 38.6 MHz
U14	38.6 - 40.2 MHz
U15	40.2 - 41.8 MHz