

Internet Multicast Addresses

(last updated 2008-09-30)

Registries included below:
 - IPv4 Multicast Addresses

Note:

Host Extensions for IP Multicasting [RFC1112] specifies the extensions required of a host implementation of the Internet Protocol (IP) to support multicasting. The multicast addresses are in the range 224.0.0.0 through 239.255.255.255. Current addresses are listed below.

The range of addresses between 224.0.0.0 and 224.0.0.255, inclusive, is reserved for the use of routing protocols and other low-level topology discovery or maintenance protocols, such as gateway discovery and group membership reporting. Multicast routers should not forward any multicast datagram with destination addresses in this range, regardless of its TTL.

Registry Name: IPv4 Multicast Addresses

Reference: [RFC3171]

Registration Procedures: Expert Review, IESG Approval or Standards Action

Registry:

224.0.0.0 - 224.0.0.255	(224.0.0/24) Local Network Control Block	Date registered
224.0.0.0	Base Address (Reserved)	[RFC1112] [JBP]
224.0.0.1	All Systems on this Subnet	[RFC1112] [JBP]
224.0.0.2	All Routers on this Subnet	[JBP]
224.0.0.3	Unassigned	[JBP]
224.0.0.4	DVMRP Routers	[RFC1075] [JBP]
224.0.0.5	OSPFIGP OSPFIGP All Routers	[RFC2328] [JXM1]
224.0.0.6	OSPFIGP OSPFIGP Designated Routers	[RFC2328] [JXM1]
224.0.0.7	ST Routers	[RFC1190] [KS14]
224.0.0.8	ST Hosts	[RFC1190] [KS14]
224.0.0.9	RIP2 Routers	[RFC1723] [GSM11]
224.0.0.10	IGRP Routers	[Farinacci]
224.0.0.11	Mobile-Agents	[Bill Simpson]
224.0.0.12	DHCP Server / Relay Agent	[RFC1884]
224.0.0.13	All PIM Routers	[Farinacci]
224.0.0.14	RSVP-ENCAPSULATION	[Braden]
224.0.0.15	all-cbt-routers	[Ballardie]
224.0.0.16	designated-sbm	[Baker]
224.0.0.17	all-sbms	[Baker]
224.0.0.18	VRRP	[RFC3768]
224.0.0.19	IPAllLISS	[Przygienda]
224.0.0.20	IPAllL2ISS	[Przygienda]
224.0.0.21	IPAllIntermediate Systems	[Przygienda]
224.0.0.22	IGMP	[Deering]
224.0.0.23	GLOBECAST-ID	[Scannell]
224.0.0.24	OSPFIGP-TE	[RFC4973]
224.0.0.25	router-to-switch	[Wu]
224.0.0.26	Unassigned	[JBP]
224.0.0.27	Al MPP Hello	[Martinicky]
224.0.0.28	ETC Control	[Polishinski]
224.0.0.29	GE-FANUC	[Wacey]
224.0.0.30	indigo-vhdp	[Caughie]
224.0.0.31	shinbroadband	[Kittivatcharapong]
224.0.0.32	digistar	[Kerkan]
224.0.0.33	ff-system-management	[Glanzer]
224.0.0.34	pt2-discover	[Kammerlander]
224.0.0.35	DXCLUSTER	[Koopman]
224.0.0.36	DTCP Announcement	[Cipiere]
224.0.0.37-224.0.0.68	zeroconfaddr (renew 12/02)	[Guttman]
224.0.0.69-224.0.0.100	Reserved	[IANA]
224.0.0.101	cisco-nhap	[Bakke]
224.0.0.102	HSRP	[Wilson]
224.0.0.103	MDAP	[Deleu]
224.0.0.104	Nokia MC CH	[Kalhour]
224.0.0.105	ff-lr-address	[Glanzer]
224.0.0.106	All-Snoopers	[RFC4286]
224.0.0.107	PTP-pdelay	[IEEE1588] [K.Lee] 02 February 2007
224.0.0.108	Saratoga	[Wood] 30 August 2007
224.0.0.109	LL-MANET-Routers	[RFC-ietf-manet-iana-07.txt]
224.0.0.110-224.0.0.250	Unassigned	[JBP]
224.0.0.251	mDNS	[Cheshire]
224.0.0.252	Link-local Multicast Name Resolution	[RFC4795]
224.0.0.253	Teredo	[RFC-huitema-v6ops-teredo-05.txt]
224.0.0.254	RFC3692-style Experiment (*)	[RFC4727]
224.0.0.255-224.0.0.255	Unassigned	[JBP]

* It is only appropriate to use these values in explicitly-configured experiments; they MUST NOT be shipped as defaults in implementations. See RFC 3692 for details.

224.0.1.0 - 224.0.1.255 (224.0.1/24) Internetwork Control Block

224.0.1.0	VMTP Managers Group	[RFC1045] [DRC3]
224.0.1.1	NTP Network Time Protocol	[RFC1119] [DLM1]
224.0.1.2	SGI-Dogfight	[AXC]
224.0.1.3	Rwhod	[SXD]
224.0.1.4	VNP	[DRC3]
224.0.1.5	Artificial Horizons - Aviator	[BXF]
224.0.1.6	NSS - Name Service Server	[BXS2]
224.0.1.7	AUDIONEWS - Audio News Multicast	[MXF2]
224.0.1.8	SUN NIS+ Information Service	[CXM3]
224.0.1.9	MTP Multicast Transport Protocol	[SXA]
224.0.1.10	IETF-1-LOW-AUDIO	[SC3]
224.0.1.11	IETF-1-AUDIO	[SC3]
224.0.1.12	IETF-1-VIDEO	[SC3]
224.0.1.13	IETF-2-LOW-AUDIO	[SC3]
224.0.1.14	IETF-2-AUDIO	[SC3]
224.0.1.15	IETF-2-VIDEO	[SC3]
224.0.1.16	MUSIC-SERVICE	[Guido van Rossum]
224.0.1.17	SEANET-TELEMETRY	[Andrew Maffei]
224.0.1.18	SEANET-IMAGE	[Andrew Maffei]
224.0.1.19	MLOADD	[Braden]
224.0.1.20	any private experiment	[JBP]
224.0.1.21	DVMRP on MOSPF	[John Moy]
224.0.1.22	SVRLOC	[Veizades]
224.0.1.23	XINGTV	[Gordon]
224.0.1.24	microsoft-ds	<arnoldm@microsoft.com>
224.0.1.25	nbc-pro	<bloomer&birch.crd.ge.com>
224.0.1.26	nbc-pfn	<bloomer&birch.crd.ge.com>
224.0.1.27	lmsc-calren-1	[Uang]
224.0.1.28	lmsc-calren-2	[Uang]
224.0.1.29	lmsc-calren-3	[Uang]
224.0.1.30	lmsc-calren-4	[Uang]
224.0.1.31	ampr-info	[Janssen]
224.0.1.32	mtrace	[Casner]
224.0.1.33	RSVP-encap-1	[Braden]
224.0.1.34	RSVP-encap-2	[Braden]
224.0.1.35	SVRLOC-DA	[Veizades]
224.0.1.36	rln-server	[Kean]
224.0.1.37	proshare-mc	[Lewis]
224.0.1.38	unassigned	
224.0.1.39	cisco-rp-announce	[Farinacci]
224.0.1.40	cisco-rp-discovery	[Farinacci]
224.0.1.41	gatekeeper	[Toga]
224.0.1.42	iberiagames	[Marocho]
224.0.1.43	nwn-discovery	[Zwemmer]
224.0.1.44	nwn-adaptor	[Zwemmer]
224.0.1.45	isma-1	[Dunne]
224.0.1.46	isma-2	[Dunne]
224.0.1.47	telerate	[Peng]
224.0.1.48	ciena	[Rodbell]
224.0.1.49	dcap-servers	[RFC2114]
224.0.1.50	dcap-clients	[RFC2114]
224.0.1.51	mcntp-directory	[Rupp]
224.0.1.52	mbone-vcr-directory	[Holfelder]
224.0.1.53	heartbeat	[Mamakos]
224.0.1.54	sun-mc-grp	[DeMoney]
224.0.1.55	extended-sys	[Poole]
224.0.1.56	pdrncs	[Wissenbach]
224.0.1.57	tns-adv-multi	[Albin]
224.0.1.58	vcals-dmu	[Shindoh]
224.0.1.59	zuba	[Jackson]
224.0.1.60	hp-device-disc	[Albright]
224.0.1.61	tms-production	[Gilani]
224.0.1.62	sunscalar	[Gibson]
224.0.1.63	mmtip-poll	[Costales]
224.0.1.64	compaq-peer	[Volpe]
224.0.1.65	iapp	[Meier]
224.0.1.66	multihasc-com	[Brockbank]
224.0.1.67	serv-discovery	[Honton]
224.0.1.68	mdhcpdisover	[RFC2730]
224.0.1.69	MMP-bundle-discovery1	[Malkin]
224.0.1.70	MMP-bundle-discovery2	[Malkin]
224.0.1.71	XYPOINT DGPS Data Feed	[Green]
224.0.1.72	GilatSkySurfer	[Gal]
224.0.1.73	SharesLive	[Rowatt]
224.0.1.74	NorthernData	[Sheers]

224.0.1.75	SIP	[Schulzrinne]
224.0.1.76	IAPP	[Moelard]
224.0.1.77	AGENTVIEW	[Iyer]
224.0.1.78	Tibco Multicast1	[Shum]
224.0.1.79	Tibco Multicast2	[Shum]
224.0.1.80	MSP	[Caves]
224.0.1.81	OTT (One-way Trip Time)	[Schwartz]
224.0.1.82	TRACKTICKER	[Novick]
224.0.1.83	dtn-mc	[Gaddie]
224.0.1.84	jini-announcement	[Scheifler]
224.0.1.85	jini-request	[Scheifler]
224.0.1.86	sde-discovery	[Aronson]
224.0.1.87	DirecPC-SI	[Dillon]
224.0.1.88	BIRMonitor	[Purkiss]
224.0.1.89	3Com-AMP3 dRMON	[Banthia]
224.0.1.90	imFtmSvc	[Bhatti]
224.0.1.91	NQDS4	[Flynn]
224.0.1.92	NQDS5	[Flynn]
224.0.1.93	NQDS6	[Flynn]
224.0.1.94	NLVL12	[Flynn]
224.0.1.95	NTDS1	[Flynn]
224.0.1.96	NTDS2	[Flynn]
224.0.1.97	NODSA	[Flynn]
224.0.1.98	NODSB	[Flynn]
224.0.1.99	NODSC	[Flynn]
224.0.1.100	NODSD	[Flynn]
224.0.1.101	NQDS4R	[Flynn]
224.0.1.102	NQDS5R	[Flynn]
224.0.1.103	NQDS6R	[Flynn]
224.0.1.104	NLVL12R	[Flynn]
224.0.1.105	NTDS1R	[Flynn]
224.0.1.106	NTDS2R	[Flynn]
224.0.1.107	NODSAR	[Flynn]
224.0.1.108	NODSBR	[Flynn]
224.0.1.109	NODSCR	[Flynn]
224.0.1.110	NODSDR	[Flynn]
224.0.1.111	MRM	[Wei]
224.0.1.112	TVE-FILE	[Blackketter]
224.0.1.113	TVE-ANNOUNCE	[Blackketter]
224.0.1.114	Mac Srv Loc	[Woodcock]
224.0.1.115	Simple Multicast	[Crowcroft]
224.0.1.116	SpectraLinkGW	[Hamilton]
224.0.1.117	dieboldmcast	[Marsh]
224.0.1.118	Tivoli Systems	[Gabriel]
224.0.1.119	pq-lic-mcast	[Sledge]
224.0.1.120	SPRYWARE LLC	[Kreutzjans]
224.0.1.121	Pipesplatform	[Dissett]
224.0.1.122	LiebDevMgmg-DM	[Velten]
224.0.1.123	TRIBALVOICE	[Thompson]
224.0.1.124	Unassigned (Retracted 1/29/01)	
224.0.1.125	PolyCom Relay1	[Coutiere]
224.0.1.126	Infront Multil	[Lindeman]
224.0.1.127	XRX DEVICE DISC	[Wang]
224.0.1.128	CNN	[Lynch]
224.0.1.129	PTP-primary	[IEEE1588] [K.Lee]
224.0.1.130	PTP-alternate1	[IEEE1588] [K.Lee]
224.0.1.131	PTP-alternate2	[IEEE1588] [K.Lee]
224.0.1.132	PTP-alternate3	[IEEE1588] [K.Lee]
224.0.1.133	ProCast	[Revzen]
224.0.1.134	3Com Discp	[White]
224.0.1.135	CS-Multicasting	[Stanev]
224.0.1.136	TS-MC-1	[Sveistrup]
224.0.1.137	Make Source	[Daga]
224.0.1.138	Teleborsa	[Strazzera]
224.0.1.139	SUMAConfig	[Wallach]
224.0.1.140	Unassigned	
224.0.1.141	DHCP-SERVERS	[Hall]
224.0.1.142	CN Router-LL	[Armitage]
224.0.1.143	EMWIN	[Querubin]
224.0.1.144	Alchemy Cluster	[O'Rourke]
224.0.1.145	Satcast One	[Nevell]
224.0.1.146	Satcast Two	[Nevell]
224.0.1.147	Satcast Three	[Nevell]
224.0.1.148	Intline	[Sliwinski]
224.0.1.149	8x8 Multicast	[Roper]
224.0.1.150	Unassigned	[JBP]
224.0.1.151	Intline-1	[Sliwinski]
224.0.1.152	Intline-2	[Sliwinski]
224.0.1.153	Intline-3	[Sliwinski]
224.0.1.154	Intline-4	[Sliwinski]
224.0.1.155	Intline-5	[Sliwinski]
224.0.1.156	Intline-6	[Sliwinski]
224.0.1.157	Intline-7	[Sliwinski]

224.0.1.158	Intline-8	[Sliwinski]	
224.0.1.159	Intline-9	[Sliwinski]	
224.0.1.160	Intline-10	[Sliwinski]	
224.0.1.161	Intline-11	[Sliwinski]	
224.0.1.162	Intline-12	[Sliwinski]	
224.0.1.163	Intline-13	[Sliwinski]	
224.0.1.164	Intline-14	[Sliwinski]	
224.0.1.165	Intline-15	[Sliwinski]	
224.0.1.166	marratech-cc	[Parnes]	
224.0.1.167	EMS-InterDev	[Lyda]	
224.0.1.168	itb301	[Rueskamp]	
224.0.1.169	rtv-audio	[Adams]	
224.0.1.170	rtv-video	[Adams]	
224.0.1.171	HAVI-Sim	[Wasserroth]	
224.0.1.172	Nokia Cluster	[O'Rourke]	
224.0.1.173	host-request	[K.Thompson]	
224.0.1.174	host-announce	[K.Thompson]	
224.0.1.175	ptk-cluster	[Hodgson]	
224.0.1.176	Proxim Protocol	[Shukla]	
224.0.1.177	Gemtek Systems	[A.Lee]	
224.0.1.178	IEEE IAPP	[Kerry]	
224.0.1.179	1451_Dot5_802_Discovery	[Coleman]	11 April 2006
224.0.1.180	1451_Dot5_802_Group_1	[Coleman]	11 April 2006
224.0.1.181	1451_Dot5_802_Group_2	[Coleman]	11 April 2006
224.0.1.182	1451_Dot5_802_Group_3	[Coleman]	11 April 2006
224.0.1.183	1451_Dot5_802_Group_4	[Coleman]	11 April 2006
224.0.1.184	VFSDP	[Zorc]	06 March 2007
224.0.1.185	ASAP	[RFC5352]	
224.0.1.186-224.0.1.255	Unassigned	[JBP]	
224.0.2.0 - 224.0.255.0	AD-HOC Block		

224.0.2.0	Unassigned		
224.0.2.1	"rwho" Group (BSD) (unofficial)	[JBP]	
224.0.2.2	SUN RPC PMAPPROC_CALLIT	[BXE1]	
224.0.2.3	EPSON-disc-set	[SEIKO EPSON Corp]	
224.0.2.4-224.0.2.063	Unassigned		
224.0.2.064-224.0.2.095	Amex MDD Service	[Madry]	April 1996, July 2007 - modified
224.0.2.096-224.0.2.127	BallisterNet	[Ballister]	
224.0.2.128-224.0.2.191	WOZ-Garage	[Marquardt]	
224.0.2.192-224.0.2.255	SIAC MDD Market Service	[Lamberg]	
224.0.3.000-224.0.3.255	RFE Generic Service	[DXS3]	
224.0.4.000-224.0.4.255	RFE Individual Conferences	[DXS3]	
224.0.5.000-224.0.5.127	CDPD Groups	[Bob Brenner]	
224.0.5.128-224.0.5.191	SIAC Market Service	[Cho]	
224.0.5.192-224.0.5.255	SIAC NYSE Order PDP protocol	[Chan]	
224.0.6.000-224.0.6.127	Cornell ISIS Project	[Tim Clark]	
224.0.6.128-224.0.6.255	Unassigned	[IANA]	
224.0.7.000-224.0.7.255	Where-Are-You	[Simpson]	
224.0.8.000-224.0.8.255	INTV	[Tynan]	
224.0.9.000-224.0.9.255	Invisible Worlds	[Malamud]	
224.0.10.000-224.0.10.255	DLSw Groups	[Lee]	
224.0.11.000-224.0.11.255	NCC.NET Audio	[Rubin]	
224.0.12.000-224.0.12.063	Microsoft and MSNBC	[Blank]	
224.0.13.000-224.0.13.255	WorldCom Broadcast Services	[Barber]	
224.0.14.000-224.0.14.255	NLANR	[Wessels]	
224.0.15.000-224.0.15.255	Agilent Technologies	[van der Meulen]	
224.0.16.000-224.0.16.255	XingNet	[Uusitalo]	
224.0.17.000-224.0.17.031	Mercantile & Commodity Exchange	[Gilani]	
224.0.17.032-224.0.17.063	NDQMD1	[Nelson]	
224.0.17.064-224.0.17.127	ODN-DTV	[Hodges]	
224.0.18.000-224.0.18.255	Dow Jones	[Peng]	
224.0.19.000-224.0.19.063	Walt Disney Company	[Watson]	
224.0.19.064-224.0.19.095	Cal Multicast	[Moran]	
224.0.19.096-224.0.19.127	Amex Market Service	[Madry]	October 1997, July 2007 - modified
224.0.19.128-224.0.19.191	IIG Multicast	[Carr]	
224.0.19.192-224.0.19.207	Metropol	[Crawford]	
224.0.19.208-224.0.19.239	Xenoscience, Inc.	[Timm]	
224.0.19.240-224.0.19.255	MJDPM	[Straight]	
224.0.20.000-224.0.20.063	MS-IP/TV	[Wong]	
224.0.20.064-224.0.20.127	Reliable Network Solutions	[Vogels]	
224.0.20.128-224.0.20.143	TRACTICKER Group	[Novick]	
224.0.20.144-224.0.20.207	CNR Rebroadcast MCA	[Sautter]	
224.0.21.000-224.0.21.127	Talarian MCAST	[Mendal]	
224.0.22.000-224.0.22.239	WORLD MCAST	[Stewart]	
224.0.22.240-224.0.22.255	Jones International	[Ginsburg]	31 October 2007
224.0.23.0	ECHONET	[Saito]	
224.0.23.1	Ricoh-device-ctrl	[Nishida]	
224.0.23.2	Ricoh-device-ctrl	[Nishida]	
224.0.23.3-224.0.23.10	Telefeed	[Beddoe]	
224.0.23.11	SpectraTalk	[Karahade]	
224.0.23.12	EIBnet/IP	[Goossens]	

224.0.23.13	TVE-ANNOUNCE2	[Dolan]	
224.0.23.14	DvbServDisc	[van Willigen]	
224.0.23.15-224.0.23.31	MJDPM	[Straight]	
224.0.23.32	Norman MCMP	[Bognaes]	
224.0.23.33	RRDP	[Hoshi]	
224.0.23.34	AF_NA	[Brzezinski]	
224.0.23.35	AF_OPRA_NBBO	[Brzezinski]	
224.0.23.36	AF_OPRA_FULLL	[Brzezinski]	
224.0.23.37	AF_NEWS	[Brzezinski]	
224.0.23.38	AF_NA_CHI	[Brzezinski]	
224.0.23.39	AF_OPRA_NBBO_CHI	[Brzezinski]	
224.0.23.40	AF_OPRA_FULLL_CHI	[Brzezinski]	
224.0.23.41	AF_NEWS_CHI	[Brzezinski]	
224.0.23.42	Control for IP Video	[Guillaume]	
224.0.23.43	acp-discovery	[Belk]	
224.0.23.44	acp-management	[Belk]	
224.0.23.45	acp-data	[Belk]	
224.0.23.46	oap-multicast	[Eastham]	16 June 2006
224.0.23.47	AF_DOB_CHI	[Brzezinski]	28 October 2005
224.0.23.48	AF_OPRA_FULLL2_CHI	[Brzezinski]	28 October 2005
224.0.23.49	AF_DOB	[Brzezinski]	28 October 2005
224.0.23.50	AF_OPRA_FULLL2	[Brzezinski]	28 October 2005
224.0.23.51	Fairview	[Lyle]	07 August 2006
224.0.23.52	Amex Market Data	[Madry]	11 August 2006
224.0.23.53	MCP	[DeBaillie]	30 November 2006
224.0.23.54	ServDiscovery	[Langille]	17 January 2007
224.0.23.55	noaaport1	[Querubin]	04 February 2008
224.0.23.56	noaaport2	[Querubin]	04 February 2008
224.0.23.57	noaaport3	[Querubin]	04 February 2008
224.0.23.58	noaaport4	[Querubin]	04 February 2008
224.0.23.59	DigacIP7	[Niedfeldt]	22 February 2008
224.0.23.60-224.0.23.63	Unassigned		
224.0.23.64-224.0.23.80	Moneyline	[Petronio]	
224.0.23.81-224.0.23.127	Reserved (Moneyline)		
224.0.23.128-224.0.23.157	PHLX	[Linthicum]	
224.0.23.158	VSCP	[Tewiah]	
224.0.23.159	LXI-EVENT	[Barendt]	04 November 2005
224.0.23.160	solera_lmca	[Armstrong]	09 February 2006
224.0.23.161	VBooster	[Pevzner]	17 March 2006
224.0.23.162	cajo discovery	[Catherino]	31 March 2006
224.0.23.163	INTELLIDEN	[Schenk]	31 March 2006
224.0.23.164	IceEDCP	[O.Lewis]	11 July 2006
224.0.23.165	omasg	[Lipford]	11 July 2006
224.0.23.166	MEDIASTREAM	[Robberson]	15 September 2006
224.0.23.167	Systemcast	[Jakubiec]	21 September 2006
224.0.23.168	tricon-system-management	[Gabler]	06 July 2007
224.0.23.169	MNET discovery	[Crick]	14 January 2008
224.0.23.170-224.0.23.191	Unassigned		
224.0.23.192-224.0.23.255	PINKOTC	[Shulgin]	12 August 2008
224.0.24.0-224.0.24.127	AGSC UK VVs	[Rowley]	09 June 2006
224.0.24.128-224.0.24.255	EM-MULTI	[Sorensen]	07 August 2006
224.0.25.0-224.0.28.255	CME Market Data	[Brakauskas]	22 March 2007
224.0.29.0-224.0.30.255	Deutsche Boerse	[Drwal]	22 March 2007
224.0.31.0-224.0.34.255	CME Market Data	[Brakauskas]	17 July 2007
224.0.35.0-224.0.35.255	M2S	[Gilad]	31 August 2007
224.0.36.0-224.0.38.255	Unassigned		
224.0.39.0-224.0.40.255	CDAS	[Olsen]	12 September 2007
224.0.41.0-224.0.41.255	NYSE-EURONEXT	[Gupta]	28 November 2007
224.0.42.0-224.0.45.255	MEDIAL	[MEDIAL]	15 January 2008
224.0.46.0-224.0.50.255	Deutsche Boerse	[Drwal]	25 January 2008
224.0.51.0-224.0.51.255	ALCOM-IPTV	[Erikson]	09 April 2008
224.0.52.0-224.0.53.255	NYSE-EURONEXT	[Stevenson]	23 July 2008
224.0.54.0-224.0.57.255	Get - BCN	[Hvidsten]	20 August 2008
224.0.58.0-224.0.61.255	NYSE-AMEX_L1_L2	[Castillo]	27 August 2008
224.0.62.0-224.0.251.255	Unassigned		
224.0.252.0-224.0.252.255	KPN Broadcast Services	[Spelt]	
224.0.253.000-224.0.253.255	KPN Broadcast Services	[Spelt]	
224.0.254.000-224.0.254.255	Intelsat IPTV	[Elad]	31 March 2006
224.0.255.000-224.0.255.255	Intelsat IPTV	[Elad]	31 March 2006
224.1.0.0-224.1.255.255 (224.1/16) ST Multicast Groups			

224.1.0.0-224.1.0.37	Reserved	[IANA]	
224.1.0.38	dantz	[Zulch]	
224.1.0.39-224.1.1.255	Reserved	[IANA]	
224.1.2.0-224.1.2.255	arca-ex	[Andrews]	17 February 2006
224.1.3.0-224.1.4.255	NOB Cross media facilities	[Mattheijer]	22 May 2006
224.1.5.0-224.1.255.255	Reserved	[IANA]	
224.2.0.0-224.2.255.255 (224.2/16) SDP/SAP Block			

224.2.0.0-224.2.127.253 Multimedia Conference Calls [SC3]
 224.2.127.254 SAPv1 Announcements [SC3]
 224.2.127.255 SAPv0 Announcements (deprecated) [SC3]
 224.2.128.0-224.2.255.255 SAP Dynamic Assignments [SC3]

224.3.0.0-224.4.255.255 (224.3/16, 224.4/16) AD-HOC Block

224.3.0.0 - 224.3.0.63 Nasdaqmfeeds (re-new/March 2003) [Nelson]
 224.3.0.64-224.3.255.255 Reserved [IANA]
 224.4.0.0-224.4.0.255 London Stock Exchange [Whitehouse] 31 March 2006
 224.4.1.0-224.4.1.255 London Stock Exchange [Saunders] 25 February 2008
 224.4.2.0-224.4.2.255 London Stock Exchange [Saunders] 29 February 2008
 224.4.3.0-224.251.255.255 Reserved [IANA]
 224.252.000.000-224.255.255.255 DIS Transient Groups [IANA]
 225.000.000.000-231.255.255.255 Reserved [IANA]

232.0.0.0-232.255.255.255 (232/8) Source-Specific Multicast Block
 Registration Rules: IETF Consensus
 Addresses within the 232.0.1.0-232.255.255.255 are dynamically
 allocated by hosts when needed [RFC4607]

Address/Range	Description	Reference
232.0.0.0	Reserved	[RFC4607]
232.0.0.1-232.0.0.255	Reserved for IANA allocation	[RFC4607]
232.0.1.0-232.255.255.255	Reserved for local host allocation	[RFC4607]

233.000.000.000-233.255.255.255	GLOP Block	[RFC3180]
234.000.000.000-238.255.255.255	Reserved	[IANA]

239.000.000.000-239.255.255.255	Administratively Scoped	[IANA] [RFC2365]
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239.000.000.000-239.063.255.255	Reserved	[IANA]
239.064.000.000-239.127.255.255	Reserved	[IANA]
239.128.000.000-239.191.255.255	Reserved	[IANA]
239.192.000.000-239.251.255.255	Organization-Local Scope	[Meyer] [RFC2365]
239.252.000.000-239.252.255.255	Site-Local Scope (reserved)	[Meyer] [RFC2365]
239.253.000.000-239.253.255.255	Site-Local Scope (reserved)	[Meyer] [RFC2365]
239.254.000.000-239.254.255.255	Site-Local Scope (reserved)	[Meyer] [RFC2365]
239.255.000.000-239.255.255.255	Site-Local Scope	[Meyer] [RFC2365]
239.255.002.002	rasadv	[Thaler]

There is a concept of relative addresses to be used with the scoped
 multicast addresses. These relative addresses are listed here:

Relative	Description	Reference
0	SAP Session Announcement Protocol	[Handley]
1	MADCAP Protocol	[RFC2730]
2	SLPv2 Discovery	[Guttman]
3	MZAP	[Thaler]
4	Multicast Discovery of DNS Services	[Manning]
5	SSDP	[UPnP]
6	DHCP v4	[Hall]
7	AAP	[Hanna]
8	MBUS	[RFC3259]
9	UPnP	[UPnP]
10-252	Reserved - To be assigned by the IANA	
253	Reserved	
254	RFC3692-style Experiment (*)	[RFC4727]
255	Reserved - To be assigned by the IANA	

* It is only appropriate to use these values in explicitly-
 configured experiments; they MUST NOT be shipped as defaults in
 implementations. See RFC 3692 for details.

These addresses are listed in the Domain Name Service under MCAST.NET
 and 224.IN-ADDR.ARPA.

Note that when used on an Ethernet or IEEE 802 network, the 23
 low-order bits of the IP Multicast address are placed in the low-order
 23 bits of the Ethernet or IEEE 802 net multicast address
 1.0.94.0.0.0. See the section on "IANA ETHERNET ADDRESS BLOCK".

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