

IPv4 Address Fractal Map Jan-2000

000 Reserved	001 Reserved	014 PDN	015 HP	016 DEC	019 Ford	020 CsC	021 US DoD	234 Multicast	235 Multicast	236 Multicast	239 Multicast	240 Class E	241 Class E	254 Class E	255 Class E
003 GE	002 Reserved	013 Xerox	012 AT&T	017 Apple	018 MIT	023 Reserved	022 US DoD	233 Multicast	232 Multicast	237 Multicast	238 Multicast	243 Class E	242 Class E	253 Class E	252 Class E
004 L3	007 ARIN	008 L3	011 US DoD	030 US DoD	029 US DoD	024 Reserved	025 UK Defense	230 Multicast	231 Multicast	226 Multicast	225 Multicast	244 Class E	247 Class E	248 Class E	251 Class E
005 Reserved	006 US DoD	009 IBM	010 Private	031 Reserved	028 US DoD	027 Reserved	026 US DoD	229 Multicast	228 Multicast	227 Multicast	224 Multicast	245 Class E	246 Class E	249 Class E	250 Class E
058 Reserved	057 SITA	054 Merck	053 Cap Debis	032 AT&T	035 MERIT	036 Reserved	037 Reserved	218 Reserved	219 Reserved	220 Reserved	223 Reserved	202 APnic	201 Reserved	198 Various	197 Reserved
059 Reserved	056 US Postal	055 US DoD	052 El duPONT	033 US DoD	034 Haliburton	039 Reserved	038 PSI	217 Reserved	216 ARIN	221 Reserved	222 Reserved	203 APnic	200 Reserved	199 ARIN	196 AfrNIC
060 Reserved	061 APnic	050 Reserved	051 UK DSS	046 Reserved	045 Interop	040 Eli Lily	041 Reserved	214 US DoD	215 US DoD	210 APnic	209 ARIN	204 ARIN	205 ARIN	194 RIPE	195 RIPE
063 ARIN	062 RIPE	049 Reserved	048 Prudential	047 Bell North	044 Radio	043 Inet	042 Reserved	213 RIPE	212 RIPE	211 APnic	208 ARIN	207 ARIN	206 ARIN	192 RIPE	192 Various
064 ARIN	067 Reserved	068 Reserved	069 Reserved	122 Reserved	123 Reserved	124 Reserved	127 Loopback	128 Various	131 Various	132 Various	133 Various	186 Reserved	187 Reserved	188 Reserved	191 Various
065 Reserved	066 Reserved	071 Reserved	070 Reserved	121 Reserved	120 Reserved	125 Reserved	126 Reserved	129 Various	130 Various	135 Various	134 Various	185 Reserved	184 Reserved	189 Reserved	190 Reserved
078 Reserved	077 Reserved	072 Reserved	073 Reserved	118 Reserved	119 Reserved	114 Reserved	113 Reserved	142 Various	141 Various	136 Various	137 Various	182 Reserved	183 Reserved	178 Reserved	177 Reserved
079 Reserved	076 Reserved	075 Reserved	074 Reserved	117 Reserved	116 Reserved	115 Reserved	112 Reserved	143 Various	140 Various	139 Various	138 Various	181 Reserved	180 Reserved	179 Reserved	176 Reserved
080 Reserved	081 Reserved	094 Reserved	095 Reserved	096 Reserved	097 Reserved	110 Reserved	111 Reserved	144 Various	145 Various	158 Various	159 Various	160 Various	161 Various	174 Reserved	175 Reserved
083 Reserved	082 Reserved	093 Reserved	092 Reserved	099 Reserved	098 Reserved	109 Reserved	108 Reserved	147 Various	146 Various	157 Various	156 Various	163 Various	162 Various	173 Reserved	172 Various
084 Reserved	087 Reserved	088 Reserved	091 Reserved	100 Reserved	103 Reserved	104 Reserved	107 Reserved	148 Various	151 Various	152 Various	155 Various	164 Various	167 Various	168 Various	171 Various
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064 ARIN	067 Reserved	068 Reserved	069 Reserved	122 Reserved	123 Reserved	124 Reserved	127 Loopback	128 Various	131 Various	132 Various	133 Various	186 Reserved	187 Reserved	188 Reserved	191 Various
065 ARIN	066 ARIN	071 Reserved	070 Reserved	121 Reserved	120 Reserved	125 Reserved	126 Reserved	129 Various	130 Various	135 Various	134 Various	185 Reserved	184 Reserved	189 Reserved	190 Reserved
078 Reserved	077 Reserved	072 Reserved	073 Reserved	118 Reserved	119 Reserved	114 Reserved	113 Reserved	142 Various	141 Various	136 Various	137 Various	182 Reserved	183 Reserved	178 Reserved	177 Reserved
079 Reserved	076 Reserved	075 Reserved	074 Reserved	117 Reserved	116 Reserved	115 Reserved	112 Reserved	143 Various	140 Various	139 Various	138 Various	181 Reserved	180 Reserved	179 Reserved	176 Reserved
080 Reserved	081 Reserved	094 Reserved	095 Reserved	096 Reserved	097 Reserved	110 Reserved	111 Reserved	144 Various	145 Various	158 Various	159 Various	160 Various	161 Various	174 Reserved	175 Reserved
083 Reserved	082 Reserved	093 Reserved	092 Reserved	099 Reserved	098 Reserved	109 Reserved	108 Reserved	147 Various	146 Various	157 Various	156 Various	163 Various	162 Various	173 Reserved	172 Various
084 Reserved	087 Reserved	088 Reserved	091 Reserved	100 Reserved	103 Reserved	104 Reserved	107 Reserved	148 Various	151 Various	152 Various	155 Various	164 Various	167 Various	168 Various	171 Various
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064 ARIN	067 Reserved	068 Reserved	069 Reserved	122 Reserved	123 Reserved	124 Reserved	127 Loopback	218 Various	219 Various	220 Various	223 Various	202 Reserved	201 Reserved	198 Reserved	197 Various
065 ARIN	066 ARIN	071 Reserved	070 Reserved	121 Reserved	120 Reserved	125 Reserved	126 Reserved	229 Various	228 Various	227 Various	224 Various	245 Reserved	246 Reserved	249 Reserved	250 Reserved
078 Reserved	077 Reserved	072 Reserved	073 Reserved	118 Reserved	119 Reserved	114 Reserved	113 Reserved	218 Various	219 Various	220 Various	223 Various	202 Reserved	201 Reserved	198 Reserved	197 Reserved
079 Reserved	076 Reserved	075 Reserved	074 Reserved	117 Reserved	116 Reserved	115 Reserved	112 Reserved	214 Various	215 Various	210 Various	209 Various	204 Reserved	205 Reserved	194 Reserved	195 Reserved
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064 ARIN	067 ARIN	068 ARIN	069 ARIN	122 Reserved	123 Reserved	124 Reserved	127 Loopback	128 Various	131 Various	132 Various	133 Various	186 Reserved	187 Reserved	188 Various	191 Various
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078 Reserved	077 Reserved	072 ARIN	073 Reserved	118 Reserved	119 Reserved	114 Reserved	113 Reserved	142 Various	141 Various	136 Various	137 Various	182 Reserved	183 Reserved	178 Reserved	177 Reserved
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078 Reserved	077 Reserved	072 ARIN	073 ARIN	118 Reserved	119 Reserved	114 Reserved	113 Reserved	142 Various	141 Various	136 Various	137 Various	182 Reserved	183 Reserved	178 Reserved	177 Reserved
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063 ARIN	062 RIPE	049 Reserved	048 Prudential	047 Bell North	044 Radio	043 Inet	042 Reserved	213 RIPE	212 RIPE	211 APnic	208 ARIN	207 ARIN	206 ARIN	192 RIPE	192 Various
064 ARIN	067 ARIN	068 ARIN	069 ARIN	122 APnic	123 APnic	124 APnic	127 Loopback	128 Various	131 Various	132 Various	133 Various	186 LACnic	187 LACnic	188 Various	191 Various
065 ARIN	066 ARIN	071 ARIN	070 ARIN	121 APnic	120 APnic	125 APnic	126 APnic	129 Various	130 Various	135 Various	134 Various	185 Reserved	184 Reserved	189 LACnic	190 LACnic
078 RIPE	077 RIPE	072 ARIN	073 ARIN	118 APnic	119 APnic	114 APnic	113 Reserved	142 Various	141 Various	136 Various	137 Various	182 Reserved	183 Reserved	178 Reserved	177 Reserved
079 RIPE	076 ARIN	075 ARIN	074 ARIN	117 APnic	116 APnic	115 APnic	112 Reserved	143 Various	140 Various	139 Various	138 Various	181 Reserved	180 Reserved	179 Reserved	176 Reserved
080 RIPE	081 RIPE	094 RIPE	095 RIPE	096 ARIN	097 ARIN	110 Reserved	111 Reserved	144 Various	145 Various	158 Various	159 Various	160 Various	161 Various	174 Reserved	175 Reserved
083 RIPE	082 RIPE	093 RIPE	092 RIPE	099 ARIN	098 ARIN	109 Reserved	108 Reserved	147 Various	146 Various	157 Various	156 Various	163 Various	162 Various	173 Reserved	172 Various
084 RIPE	087 RIPE	088 RIPE	091 RIPE	100 Reserved	103 Reserved	104 Reserved	107 Reserved	148 Various	151 Various	152 Various	155 Various	164 Various	167 Various	168 Various	171 Various
085 RIPE	086 RIPE	089 RIPE	090 RIPE	101 Reserved	102 Reserved	105 Reserved	106 Reserved	149 Various	150 Various	153 Various	154 Various	165 Various	166 Various	169 Various	170 Various

IPv4 Address Fractal Map Jan-2009

000 Reserved	001 Reserved	014 Reserved	015 HP	016 DEC	019 Ford	020 CsC	021 US DoD	234 Multicast	235 Multicast	236 Multicast	239 Multicast	240 Class E	241 Class E	254 Class E	255 Class E
003 GE	002 Reserved	013 Xerox	012 AT&T	017 Apple	018 MIT	023 Reserved	022 US DoD	233 Multicast	232 Multicast	237 Multicast	238 Multicast	243 Class E	242 Class E	253 Class E	252 Class E
004 L3	007 ARIN	008 L3	011 US DoD	030 US DoD	029 US DoD	024 Cable	025 UK Defense	230 Multicast	231 Multicast	226 Multicast	225 Multicast	244 Class E	247 Class E	248 Class E	251 Class E
005 Reserved	006 US DoD	009 IBM	010 Private	031 Reserved	028 US DoD	027 Reserved	026 US DoD	229 Multicast	228 Multicast	227 Multicast	224 Multicast	245 Class E	246 Class E	249 Class E	250 Class E
058 APnic	057 SITA	054 Merck	053 Cap Debis	032 AT&T	035 MERIT	036 Reserved	037 Reserved	218 APnic	219 APnic	220 APnic	223 Reserved	202 APnic	201 LACnic	198 Various	197 Afrinic
059 APnic	056 US Postal	055 US DoD	052 El duPONT	033 US DoD	034 Haliburton	039 Reserved	038 PSI	217 RIPE	216 ARIN	221 APnic	222 APnic	203 APnic	200 LACnic	199 ARIN	196 AFRnic
060 APnic	061 APnic	050 Reserved	051 UK DSS	046 Reserved	045 Interop	040 Eli Lily	041 Afrinic	214 US DoD	215 US DoD	210 APnic	209 ARIN	204 ARIN	205 ARIN	194 RIPE	195 RIPE
063 ARIN	062 RIPE	049 Reserved	048 Prudential	047 Bell North	044 Radio	043 Inet	042 Reserved	213 RIPE	212 RIPE	211 APnic	208 ARIN	207 ARIN	206 ARIN	192 RIPE	192 Various
064 ARIN	067 ARIN	068 ARIN	069 ARIN	122 APnic	123 APnic	124 APnic	127 Loopback	128 Various	131 Various	132 Various	133 Various	186 LACnic	187 LACnic	188 Various	191 Various
065 ARIN	066 ARIN	071 ARIN	070 ARIN	121 APnic	120 APnic	125 APnic	126 APnic	129 Various	130 Various	135 Various	134 Various	185 Reserved	184 ARIN	189 LACnic	190 LACnic
078 RIPE	077 RIPE	072 ARIN	073 ARIN	118 APnic	119 APnic	114 APnic	113 APnic	142 Various	141 Various	136 Various	137 Various	182 Reserved	183 Reserved	178 Reserved	177 Reserved
079 RIPE	076 ARIN	075 ARIN	074 ARIN	117 APnic	116 APnic	115 APnic	112 APnic	143 Various	140 Various	139 Various	138 Various	181 Reserved	180 Reserved	179 Reserved	176 Reserved
080 RIPE	081 RIPE	094 RIPE	095 RIPE	096 ARIN	097 ARIN	110 APnic	111 APnic	144 Various	145 Various	158 Various	159 Various	160 Various	161 Various	174 ARIN	175 Reserved
083 RIPE	082 RIPE	093 RIPE	092 RIPE	099 ARIN	098 ARIN	109 Reserved	108 ARIN	147 Various	146 Various	157 Various	156 Various	163 Various	162 Various	173 ARIN	172 Various
084 RIPE	087 RIPE	088 RIPE	091 RIPE	100 Reserved	103 Reserved	104 Reserved	107 Reserved	148 Various	151 Various	152 Various	155 Various	164 Various	167 Various	168 Various	171 Various
085 RIPE	086 RIPE	089 RIPE	090 RIPE	101 Reserved	102 Reserved	105 Reserved	106 Reserved	149 Various	150 Various	153 Various	154 Various	165 Various	166 Various	169 Various	170 Various

IPv4 Address Fractal Map Jan-2010

000 Reserved	001 Reserved	014 Reserved	015 HP	016 DEC	019 Ford	020 CsC	021 US DoD	234 Multicast	235 Multicast	236 Multicast	239 Multicast	240 Class E	241 Class E	254 Class E	255 Class E
003 GE	002 RIPE	013 Xerox	012 AT&T	017 Apple	018 MIT	023 Reserved	022 US DoD	233 Multicast	232 Multicast	237 Multicast	238 Multicast	243 Class E	242 Class E	253 Class E	252 Class E
004 L3	007 ARIN	008 L3	011 US DoD	030 US DoD	029 US DoD	024 Cable	025 UK Defense	230 Multicast	231 Multicast	226 Multicast	225 Multicast	244 Class E	247 Class E	248 Class E	251 Class E
005 Reserved	006 US DoD	009 IBM	010 Private	031 Reserved	028 US DoD	027 Reserved	026 US DoD	229 Multicast	228 Multicast	227 Multicast	224 Multicast	245 Class E	246 Class E	249 Class E	250 Class E
058 APnic	057 SITA	054 Merck	053 Cap Debis	032 AT&T	035 MERIT	036 Reserved	037 Reserved	218 APnic	219 APnic	220 APnic	223 Reserved	202 APnic	201 LACnic	198 Various	197 Afrinic
059 APnic	056 US Postal	055 US DoD	052 El duPONT	033 US DoD	034 Haliburton	039 Reserved	038 PSI	217 RIPE	216 ARIN	221 APnic	222 APnic	203 APnic	200 LACnic	199 ARIN	196 AFRnic
060 APnic	061 APnic	050 Reserved	051 UK DSS	046 RIPE	045 Interop	040 Eli Lily	041 Afrinic	214 US DoD	215 US DoD	210 APnic	209 ARIN	204 ARIN	205 ARIN	194 RIPE	195 RIPE
063 ARIN	062 RIPE	049 Reserved	048 Prudential	047 Bell North	044 Radio	043 Inet	042 Reserved	213 RIPE	212 RIPE	211 APnic	208 ARIN	207 ARIN	206 ARIN	192 RIPE	192 Various
064 ARIN	067 ARIN	068 ARIN	069 ARIN	122 APnic	123 APnic	124 APnic	127 Loopback	128 Various	131 Various	132 Various	133 Various	186 LACnic	187 LACnic	188 Various	191 Various
065 ARIN	066 ARIN	071 ARIN	070 ARIN	121 APnic	120 APnic	125 APnic	126 APnic	129 Various	130 Various	135 Various	134 Various	185 Reserved	184 ARIN	189 LACnic	190 LACnic
078 RIPE	077 RIPE	072 ARIN	073 ARIN	118 APnic	119 APnic	114 APnic	113 APnic	142 Various	141 Various	136 Various	137 Various	182 APnic	183 APnic	178 RIPE	177 Reserved
079 RIPE	076 ARIN	075 ARIN	074 ARIN	117 APnic	116 APnic	115 APnic	112 APnic	143 Various	140 Various	139 Various	138 Various	181 Reserved	180 APnic	179 Reserved	176 Reserved
080 RIPE	081 RIPE	094 RIPE	095 RIPE	096 ARIN	097 ARIN	110 APnic	111 APnic	144 Various	145 Various	158 Various	159 Various	160 Various	161 Various	174 ARIN	175 APnic
083 RIPE	082 RIPE	093 RIPE	092 RIPE	099 ARIN	098 ARIN	109 RIPE	108 ARIN	147 Various	146 Various	157 Various	156 Various	163 Various	162 Various	173 ARIN	172 Various
084 RIPE	087 RIPE	088 RIPE	091 RIPE	100 Reserved	103 Reserved	104 Reserved	107 Reserved	148 Various	151 Various	152 Various	155 Various	164 Various	167 Various	168 Various	171 Various
085 RIPE	086 RIPE	089 RIPE	090 RIPE	101 Reserved	102 Reserved	105 Reserved	106 Reserved	149 Various	150 Various	153 Various	154 Various	165 Various	166 Various	169 Various	170 Various

IPv4 Address Fractal Map - Jan-2011

000 Reserved	001 APnic	014 APnic	015 HP	016 DEC	019 Ford	020 CsC	021 US DoD	234 Multicast	235 Multicast	236 Multicast	239 Multicast	240 Class E	241 Class E	254 Class E	255 Class E
003 GE	002 RIPE	013 Xerox	012 AT&T	017 Apple	018 MIT	023 ARIN	022 US DoD	233 Multicast	232 Multicast	237 Multicast	238 Multicast	243 Class E	242 Class E	253 Class E	252 Class E
004 L3	007 ARIN	008 L3	011 US DoD	030 US DoD	029 US DoD	024 Cable	025 UK Defense	230 Multicast	231 Multicast	226 Multicast	225 Multicast	244 Class E	247 Class E	248 Class E	251 Class E
005 RIPE	006 US DoD	009 IBM	010 Private	031 RIPE	028 US DoD	027 APnic	026 US DoD	229 Multicast	228 Multicast	227 Multicast	224 Multicast	245 Class E	246 Class E	249 Class E	250 Class E
058 APnic	057 SITA	054 Merck	053 Cap Debis	032 AT&T	035 MERIT	036 APnic	037 RIPE	218 APnic	219 APnic	220 APnic	223 APnic	202 APnic	201 LACnic	198 Various	197 Afrinic
059 APnic	056 US Postal	055 US DoD	052 El duPONT	033 US DoD	034 Haliburton	039 Reserved	038 PSI	217 RIPE	216 ARIN	221 APnic	222 APnic	203 APnic	200 LACnic	199 ARIN	196 Afrinic
060 APnic	061 APnic	050 ARIN	051 UK DSS	046 RIPE	045 ARIN	040 Eli Lily	041 Afrinic	214 US DoD	215 US DoD	210 APnic	209 ARIN	204 ARIN	205 ARIN	194 RIPE	195 RIPE
063 ARIN	062 RIPE	049 APnic	048 Prudential	047 Bell North	044 Radio	043 Inet	042 APnic	213 RIPE	212 RIPE	211 APnic	208 ARIN	207 ARIN	206 ARIN	192 RIPE	192 Various
064 ARIN	067 ARIN	068 ARIN	069 ARIN	122 APnic	123 APnic	124 APnic	127 Loopback	128 Various	131 Various	132 Various	133 Various	186 LACnic	187 LACnic	188 Various	191 Various
065 ARIN	066 ARIN	071 ARIN	070 ARIN	121 APnic	120 APnic	125 APnic	126 APnic	129 Various	130 Various	135 Various	134 Various	185 Reserved	184 ARIN	189 LACnic	190 LACnic
078 RIPE	077 RIPE	072 ARIN	073 ARIN	118 APnic	119 APnic	114 APnic	113 APnic	142 Various	141 Various	136 Various	137 Various	182 APnic	183 APnic	178 RIPE	177 LACnic
079 RIPE	076 ARIN	075 ARIN	074 ARIN	117 APnic	116 APnic	115 APnic	112 APnic	143 Various	140 Various	139 Various	138 Various	181 LACnic	180 APnic	179 Reserved	176 RIPE
080 RIPE	081 RIPE	094 RIPE	095 RIPE	096 ARIN	097 ARIN	110 APnic	111 APnic	144 Various	145 Various	158 Various	159 Various	160 Various	161 Various	174 ARIN	175 APnic
083 RIPE	082 RIPE	093 RIPE	092 RIPE	099 ARIN	098 ARIN	109 RIPE	108 ARIN	147 Various	146 Various	157 Various	156 Various	163 Various	162 Various	173 ARIN	172 Various
084 RIPE	087 RIPE	088 RIPE	091 RIPE	100 ARIN	103 Reserved	104 Reserved	107 ARIN	148 Various	151 Various	152 Various	155 Various	164 Various	167 Various	168 Various	171 Various
085 RIPE	086 RIPE	089 RIPE	090 RIPE	101 APnic	102 Reserved	105 Afrinic	106 Reserved	149 Various	150 Various	153 Various	154 Various	165 Various	166 Various	169 Various	170 Various

IPv4 Address Fractal Map - Feb. 3, 2011

000 Reserved	001 APnic	014 APnic	015 HP	016 DEC	019 Ford	020 CsC	021 US DoD	234 Multicast	235 Multicast	236 Multicast	239 Multicast	240 Class E	241 Class E	254 Class E	255 Class E
003 GE	002 RIPE	013 Xerox	012 AT&T	017 Apple	018 MIT	023 ARIN	022 US DoD	233 Multicast	232 Multicast	237 Multicast	238 Multicast	243 Class E	242 Class E	253 Class E	252 Class E
004 L3	007 ARIN	008 L3	011 US DoD	030 US DoD	029 US DoD	024 Cable	025 UK Defense	230 Multicast	231 Multicast	226 Multicast	225 Multicast	244 Class E	247 Class E	248 Class E	251 Class E
005 RIPE	006 US DoD	009 IBM	010 Private	031 RIPE	028 US DoD	027 APnic	026 US DoD	229 Multicast	228 Multicast	227 Multicast	224 Multicast	245 Class E	246 Class E	249 Class E	250 Class E
058 APnic	057 SITA	054 Merck	053 Cap Debis	032 AT&T	035 MERIT	036 APnic	037 RIPE	218 APnic	219 APnic	220 APnic	223 APnic	202 APnic	201 LACnic	198 Various	197 Afrinic
059 APnic	056 US Postal	055 US DoD	052 El duPONT	033 US DoD	034 Haliburton	039 APnic	038 PSI	217 RIPE	216 ARIN	221 APnic	222 APnic	203 APnic	200 LACnic	199 ARIN	196 Afrinic
060 APnic	061 APnic	050 ARIN	051 UK DSS	046 RIPE	045 ARIN	040 Eli Lily	041 Afrinic	214 US DoD	215 US DoD	210 APnic	209 ARIN	204 ARIN	205 ARIN	194 RIPE	195 RIPE
063 ARIN	062 RIPE	049 APnic	048 Prudential	047 Bell North	044 Radio	043 Inet	042 APnic	213 RIPE	212 RIPE	211 APnic	208 ARIN	207 ARIN	206 ARIN	192 RIPE	192 Various
064 ARIN	067 ARIN	068 ARIN	069 ARIN	122 APnic	123 APnic	124 APnic	127 Loopback	128 Various	131 Various	132 Various	133 Various	186 LACnic	187 LACnic	188 Various	191 Various
065 ARIN	066 ARIN	071 ARIN	070 ARIN	121 APnic	120 APnic	125 APnic	126 APnic	129 Various	130 Various	135 Various	134 Various	185 RIPE	184 ARIN	189 LACnic	190 LACnic
078 RIPE	077 RIPE	072 ARIN	073 ARIN	118 APnic	119 APnic	114 APnic	113 APnic	142 Various	141 Various	136 Various	137 Various	182 APnic	183 APnic	178 RIPE	177 LACnic
079 RIPE	076 ARIN	075 ARIN	074 ARIN	117 APnic	116 APnic	115 APnic	112 APnic	143 Various	140 Various	139 Various	138 Various	181 LACnic	180 APnic	179 LACnic	176 RIPE
080 RIPE	081 RIPE	094 RIPE	095 RIPE	096 ARIN	097 ARIN	110 APnic	111 APnic	144 Various	145 Various	158 Various	159 Various	160 Various	161 Various	174 ARIN	175 APnic
083 RIPE	082 RIPE	093 RIPE	092 RIPE	099 ARIN	098 ARIN	109 RIPE	108 ARIN	147 Various	146 Various	157 Various	156 Various	163 Various	162 Various	173 ARIN	172 Various
084 RIPE	087 RIPE	088 RIPE	091 RIPE	100 ARIN	103 APnic	104 ARIN	107 ARIN	148 Various	151 Various	152 Various	155 Various	164 Various	167 Various	168 Various	171 Various
085 RIPE	086 RIPE	089 RIPE	090 RIPE	101 APnic	102 Afrinic	105 Afrinic	106 APnic	149 Various	150 Various	153 Various	154 Various	165 Various	166 Various	169 Various	170 Various