

UTP Upgrade Quotation Services (BINARY Services)				
UDP/IP Protocol Standard: <i>MoldUDP64</i>				
Initial Release Date: <i>Release October 24, 2016</i>				
Site	Channel	Group	Port	REVISED: Source IP Address
New York Metro Area "A" – U.S. *RP's 207.251.255.42	Broadcast – Channel 1 (A-CD)	233.46.176.0	55630	69.10.251.0/25
	<i>Rerequest – Channel 1</i>		55730	69.10.248.192
	Broadcast – Channel 2 (CE-FD)	233.46.176.1	55631	69.10.251.0/25
	<i>Rerequest – Channel 2</i>		55731	69.10.248.193
	Broadcast – Channel 3 (FE-LK)	233.46.176.2	55632	69.10.251.0/25
	<i>Rerequest – Channel 3</i>		55732	69.10.248.194
	Broadcast – Channel 4 (LL-PB)	233.46.176.3	55633	69.10.251.0/25
	<i>Rerequest – Channel 4</i>		55733	69.10.248.195
	Broadcast – Channel 5 (PC-SP)	233.46.176.4	55634	69.10.251.0/25
	<i>Rerequest – Channel 5</i>		55734	69.10.248.196
	Broadcast – Channel 6 (SQ-ZZ)	233.46.176.5	55635	69.10.251.0/25
	<i>Rerequest – Channel 6</i>		55735	69.10.248.197
New York Metro Area "B" – U.S. *RP's 207.251.255.52	Broadcast – Channel 1 (A-CD)	233.46.176.16	55630	69.10.251.128/25
	<i>Rerequest – Channel 1</i>		55730	69.10.248.224
	Broadcast – Channel 2 (CE-FD)	233.46.176.17	55631	69.10.251.128/25
	<i>Rerequest – Channel 2</i>		55731	69.10.248.225
	Broadcast – Channel 3 (FE-LK)	233.46.176.18	55632	69.10.251.128/25
	<i>Rerequest – Channel 3</i>		55732	69.10.248.226
	Broadcast – Channel 4 (LL-PB)	233.46.176.19	55633	69.10.251.128/25
	<i>Rerequest – Channel 4</i>		55733	69.10.248.227
	Broadcast – Channel 5 (PC-SP)	233.46.176.20	55634	69.10.251.128/25
	<i>Rerequest – Channel 5</i>		55734	69.10.248.228
	Broadcast – Channel 6 (SQ-ZZ)	233.46.176.21	55635	69.10.251.128/25
	<i>Rerequest – Channel 6</i>		55735	69.10.248.229
Chicago Metro Area "A" – U.S. *RP's 207.251.255.112	Broadcast – Channel 1 (A-CD)	233.46.176.64	55630	69.10.255.0/25
	<i>Rerequest – Channel 1</i>		55730	69.10.252.192
	Broadcast – Channel 2 (CE-FD)	233.46.176.65	55631	69.10.255.0/25
	<i>Rerequest – Channel 2</i>		55731	69.10.252.193
	Broadcast – Channel 3 (FE-LK)	233.46.176.66	55632	69.10.255.0/25
	<i>Rerequest – Channel 3</i>		55732	69.10.252.194
	Broadcast – Channel 4 (LL-PB)	233.46.176.67	55633	69.10.255.0/25
	<i>Rerequest – Channel 4</i>		55733	69.10.252.195
	Broadcast – Channel 5 (PC-SP)	233.46.176.68	55634	69.10.255.0/25
	<i>Rerequest – Channel 5</i>		55734	69.10.252.196
	Broadcast – Channel 6 (SQ-ZZ)	233.46.176.69	55635	69.10.255.0/25
	<i>Rerequest – Channel 6</i>		55735	69.10.252.197
Chicago Metro Area "B" – U.S. *RP's 207.251.255.122	Broadcast – Channel 1 (A-CD)	233.46.176.80	55630	69.10.255.128/25
	<i>Rerequest – Channel 1</i>		55730	69.10.252.224
	Broadcast – Channel 2 (CE-FD)	233.46.176.81	55631	69.10.255.128/25
	<i>Rerequest – Channel 2</i>		55731	69.10.252.225
	Broadcast – Channel 3 (FE-LK)	233.46.176.82	55632	69.10.255.128/25
	<i>Rerequest – Channel 3</i>		55732	69.10.252.226
	Broadcast – Channel 4 (LL-PB)	233.46.176.83	55633	69.10.255.128/25
	<i>Rerequest – Channel 4</i>		55733	69.10.252.227
	Broadcast – Channel 5 (PC-SP)	233.46.176.84	55634	69.10.255.128/25
	<i>Rerequest – Channel 5</i>		55734	69.10.252.228
	Broadcast – Channel 6 (SQ-ZZ)	233.46.176.85	55635	69.10.255.128/25
	<i>Rerequest – Channel 6</i>		55735	69.10.252.229

To minimize data loss, SIP provides primary and back-up groups for its data feed services (At two locations; New York Metro and Chicago Metro) . The purpose of two host groups at these locations is to provide an extra layer of data redundancy within the extranet and end-user networks. By reading and utilizing both multicast groups into their production environment, IP multicast customers can help to protect themselves against network anomalies which could cause interruptions in data flow. To minimize data loss, UTP SIP strongly recommends that data feed customers process **both the primary and back-up groups** within their networks.

Rendezvous Point (RP) is a router in a multicast network domain that acts as a shared root for a multicast shared tree. Any number of routers can be configured to work as RPs and they can be configured to cover different group ranges.

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Site	Channel	Group	Port	REVISED: Source IP Address
New York Metro Area "A" – U.S. *RP's 207.251.255.42	Broadcast – Channel 1 (A-CD)	233.46.176.8	55640	69.10.251.0/25
	<i>Rerequest – Channel 1</i>		55740	69.10.248.208
	Broadcast – Channel 2 (CE-FD)	233.46.176.9	55641	69.10.251.0/25
	<i>Rerequest – Channel 2</i>		55741	69.10.248.209
	Broadcast – Channel 3 (FE-LK)	233.46.176.10	55642	69.10.251.0/25
	<i>Rerequest – Channel 3</i>		55742	69.10.248.210
	Broadcast – Channel 4 (LL-PB)	233.46.176.11	55643	69.10.251.0/25
	<i>Rerequest – Channel 4</i>		55743	69.10.248.211
	Broadcast – Channel 5 (PC-SP)	233.46.176.12	55644	69.10.251.0/25
	<i>Rerequest – Channel 5</i>		55744	69.10.248.212
	Broadcast – Channel 6 (SQ-ZZ)	233.46.176.13	55645	69.10.251.0/25
	<i>Rerequest – Channel 6</i>		55745	69.10.248.213
New York Metro Area "B" – U.S. *RP's 207.251.255.52	Broadcast – Channel 1 (A-CD)	233.46.176.24	55640	69.10.251.128/25
	<i>Rerequest – Channel 1</i>		55740	69.10.248.240
	Broadcast – Channel 2 (CE-FD)	233.46.176.25	55641	69.10.251.128/25
	<i>Rerequest – Channel 2</i>		55741	69.10.248.241
	Broadcast – Channel 3 (FE-LK)	233.46.176.26	55642	69.10.251.128/25
	<i>Rerequest – Channel 3</i>		55742	69.10.248.242
	Broadcast – Channel 4 (LL-PB)	233.46.176.27	55643	69.10.251.128/25
	<i>Rerequest – Channel 4</i>		55743	69.10.248.243
	Broadcast – Channel 5 (PC-SP)	233.46.176.28	55644	69.10.251.128/25
	<i>Rerequest – Channel 5</i>		55744	69.10.248.244
	Broadcast – Channel 6 (SQ-ZZ)	233.46.176.29	55645	69.10.251.128/25
	<i>Rerequest – Channel 6</i>		55745	69.10.248.245
Chicago Metro Area "A" – U.S. *RP's 207.251.255.112	Broadcast – Channel 1 (A-CD)	233.46.176.72	55640	69.10.255.0/25
	<i>Rerequest – Channel 1</i>		55740	69.10.252.208
	Broadcast – Channel 2 (CE-FD)	233.46.176.73	55641	69.10.255.0/25
	<i>Rerequest – Channel 2</i>		55741	69.10.252.209
	Broadcast – Channel 3 (FE-LK)	233.46.176.74	55642	69.10.255.0/25
	<i>Rerequest – Channel 3</i>		55742	69.10.252.210
	Broadcast – Channel 4 (LL-PB)	233.46.176.75	55643	69.10.255.0/25
	<i>Rerequest – Channel 4</i>		55743	69.10.252.211
	Broadcast – Channel 5 (PC-SP)	233.46.176.76	55644	69.10.255.0/25
	<i>Rerequest – Channel 5</i>		55744	69.10.252.212
	Broadcast – Channel 6 (SQ-ZZ)	233.46.176.77	55645	69.10.255.0/25
	<i>Rerequest – Channel 6</i>		55745	69.10.252.213
Chicago Metro Area "B" – U.S. *RP's 207.251.255.122	Broadcast – Channel 1 (A-CD)	233.46.176.88	55640	69.10.255.128/25
	<i>Rerequest – Channel 1</i>		55740	69.10.252.240
	Broadcast – Channel 2 (CE-FD)	233.46.176.89	55641	69.10.255.128/25
	<i>Rerequest – Channel 2</i>		55741	69.10.252.241
	Broadcast – Channel 3 (FE-LK)	233.46.176.90	55642	69.10.255.128/25
	<i>Rerequest – Channel 3</i>		55742	69.10.252.242
	Broadcast – Channel 4 (LL-PB)	233.46.176.91	55643	69.10.255.128/25
	<i>Rerequest – Channel 4</i>		55743	69.10.252.243
	Broadcast – Channel 5 (PC-SP)	233.46.176.92	55644	69.10.255.128/25
	<i>Rerequest – Channel 5</i>		55744	69.10.252.244
	Broadcast – Channel 6 (SQ-ZZ)	233.46.176.93	55645	69.10.255.128/25
	<i>Rerequest – Channel 6</i>		55745	69.10.252.245

Testing Facility (NTF) - IP Address Information				
NTF - UTP Quotation Services				
Site	Channel	Group	Port	REVISED: Source IP Address
New York Metro Area "A" – U.S.	Broadcast – Channel 1 (A-CD)	233.56.159.20	55630	206.200.20.0/23
	<i>Rerequest – Channel 1</i>		55730	206.200.21.66
	Broadcast – Channel 2 (CE-FD)	233.56.159.20	55631	206.200.20.0/23
	<i>Rerequest – Channel 2</i>		55731	206.200.21.67
	Broadcast – Channel 3 (FE-LK)	233.56.159.20	55632	206.200.20.0/23
	<i>Rerequest – Channel 3</i>		55732	206.200.21.68
	Broadcast – Channel 4 (LL-PB)	233.56.159.20	55633	206.200.20.0/23
	<i>Rerequest – Channel 4</i>		55733	206.200.21.69
	Broadcast – Channel 5 (PC-SP)	233.56.159.20	55634	206.200.20.0/23
	<i>Rerequest – Channel 5</i>		55734	206.200.21.70
	Broadcast – Channel 6 (SQ-ZZ)	233.56.159.20	55635	206.200.20.0/23
	<i>Rerequest – Channel 6</i>		55735	206.200.21.71

NTF - UTP Trade Services				
Site	Channel	Group	Port	REVISED: Source IP Address
New York Metro Area "A" – U.S.	Broadcast – Channel 1 (A-CD)	233.56.159.21	55640	206.200.20.0/23
	<i>Rerequest – Channel 1</i>		55740	206.200.21.86
	Broadcast – Channel 2 (CE-FD)	233.56.159.21	55641	206.200.20.0/23
	<i>Rerequest – Channel 2</i>		55741	206.200.21.87
	Broadcast – Channel 3 (FE-LK)	233.56.159.21	55642	206.200.20.0/23
	<i>Rerequest – Channel 3</i>		55742	206.200.21.88
	Broadcast – Channel 4 (LL-PB)	233.56.159.21	55643	206.200.20.0/23
	<i>Rerequest – Channel 4</i>		55743	206.200.21.89
	Broadcast – Channel 5 (PC-SP)	233.56.159.21	55644	206.200.20.0/23
	<i>Rerequest – Channel 5</i>		55744	206.200.21.90
	Broadcast – Channel 6 (SQ-ZZ)	233.56.159.21	55645	206.200.20.0/23
	<i>Rerequest – Channel 6</i>		55745	206.200.21.91