

Transmission Schedule Effective March 12, 2018

Market	Start of Day	End of Day - Normal Close	End of Day - Early Close
UTP Securities Information Processor (SIP)			
Tape C - Nasdaq Listed Securities	4:00	20:00	17:00
<i>Times stated for U.S. Eastern Time (ET) zone.</i>			

UTP Quotation Data Service Transmission schedule			
Approximate Time - Normal Close	Approximate Time - Early Close	Message Description	Message Type
Variable (03:58 - 04:00)	Variable (03:58- 4:00)	Start of Day	Category = C; Type = I
Variable (03:58 - 04:00)	Variable (03:58- 4:00)	Reg SHO Short Sale Price Test Restricted Indicator Spin	Category = A; Type = V
Variable (03:58 - 04:00)	Variable (03:58- 4:00)	Issue Symbol Directory Spin	Category = A; Type = B
Variable (03:58 - 04:00)	Variable (03:58- 4:00)	Cross SRO Trading Action Spin	Category = A; Type = H
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	General Administrative Message	Category = A; Type = A
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Market Center Trading Action	Category = A; Type = K
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Market Wide Circuit Breaker Decline Level Message	Category = A; Type = C
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Reg SHO Short Sale Price Test Restricted Indicator	Category = A; Type = V
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Issue Symbol Directory Spin	Category = A; Type = B
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Cross SRO Trading Action	Category = A; Type = H
Variable (04:00 - 20:15)	Variable (04:00 - 17:15)	Quotation Messages	Category = Q; Types = E, F, or M
9:30	9:30	Market Session Open	Category = C; Type = O
Variable (09:30 - 16:00)	Variable (09:30 - 13:00)	Limit Up – Limit Down Price Band Message	Category = A; Type = P
Variable (09:30 - 16:00)	Variable (09:30 - 13:00)	Auction Collar Message	Category = A; Type = E
Variable (09:30 - 16:00)	Variable (09:30 - 13:00)	Market Wide Circuit Breaker Status	Category = A; Type = D
16:00	13:00	Session Close Recap Message	Category = A; Type = R
16:00	13:00	Market Session Close	Category = C; Type = C
20:00	17:00	End Of Day	Category = C; Type = J
20:01	17:01	End of Transmissions	Category = C; Type = Z

During non-market hours, the UTP SIP **may broadcast unmarked** test data via the production multicast IP's. Customers should take necessary precautions to protect their systems against database corruption during evenings, weekends, and market holidays. Please refer to the transmission schedule.

UTP Trade Data Service Transmission schedule			
Approximate Time - Normal Close	Approximate Time - Early Close	Message Description	Message Type
Variable (03:58 - 04:00)	Variable (03:58- 4:00)	Start of Day	Category = C; Type = I
Variable (03:58 - 04:00)	Variable (03:58- 4:00)	Reg SHO Short Sale Price Test Restricted Indicator Spin	Category = A; Type = V
Variable (03:58 - 04:00)	Variable (03:58- 4:00)	Issue Symbol Directory Spin	Category = A; Type = B
Variable (03:58 - 04:00)	Variable (03:58- 4:00)	Cross SRO Trading Action Spin	Category = A; Type = H
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	General Administrative Message	Category = A; Type = A
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Market Center Trading Action	Category = A; Type = K
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Market Wide Circuit Breaker Decline Level Message	Category = A; Type = C
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Reg SHO Short Sale Price Test Restricted Indicator	Category = A; Type = V
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Issue Symbol Directory Spin	Category = A; Type = B
Variable (03:58 - 20:00)	Variable (03:58- 17:00)	Cross SRO Trading Action	Category = A; Type = H
Variable (04:00 - 20:15)	Variable (04:00 - 17:15)	Trade Messages	Category = T; Types = A, W, Z, Y or H
9:30	9:30	Market Session Open	Category = C; Type = O
Variable (09:30 - 16:00)	Variable (09:30 - 13:00)	Limit Up – Limit Down Price Band Message	Category = A; Type = P
Variable (09:30 - 16:00)	Variable (09:30 - 13:00)	Auction Collar Message	Category = A; Type = E
Variable (09:30 - 16:00)	Variable (09:30 - 13:00)	Market Wide Circuit Breaker Status	Category = A; Type = D
Variable (10:00 - 20:00)	Variable (10:00 - 17:00)	Total Consolidated and Market Volume	Category = V; Type = M
16:00	13:00	Market Session Close	Category = C; Type = C
Between 16:30 and 20:10	Between 13:30 and 17:10	Closing Trade Summary Report Message	Category = A; Type = Z
16:00	13:00	End of Consolidated Last Sale Eligibility	Category = C; Type = S
20:00	17:00	End Of Trade Reporting	Category = C; Type = X
20:00	17:00	End Of Day	Category = C; Type = J
20:01	17:01	End of Transmissions	Category = C; Type = Z

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