National Stock Exchange of India Limited

Circular

Department: MEMBER SERVICE DEPARTMENT	
Download Ref No: NSE/MSD/69181	Date: July 18, 2025
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All Members,

Market Data – New broadcast parameters in Futures & Options Segment

This circular is in continuation to Exchange consolidated NSE/MSD/67677 dated April 25, 2025 regarding Market data broadcast.

Members are hereby informed that the Exchange is introducing new broadcast parameters for market data in the F&O segment for receiving new transcodes of Ticker and Market Index, Market Watch Update & Underlying Open Interest supporting enhanced data dissemination.

Accordingly, members are requested to refer to the annexures below for access details and the necessary system setup to receive market data broadcasts from the new parameters.

Sr. No.	Market Type Data	Change	Change Description
1	Price volume (5 depth 1 second refresh), other related data, master updates, market open/close status message broadcast etc. available in FO segment	FO segment new Broadcast parameters are being introduced	Table A (message broadcast in FO segment– 1 second frequency 5 depth data) of Annexure 1 of circular 67677
2	Price volume (5 depth 1 second refresh), other related data, master updates, market open/close status message broadcast etc. on streams broadcast available in FO segment	FO segment new Broadcast parameters for all Streams are being introduced	Table B (additional streams in FO segment – 1 second frequency 5 depth data) of Annexure 1 of circular 67677

The changes shall be **effective from mock of July 19, 2025** and will be available in the **Live** environment with effect from **July 21, 2025**.

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The updated annexures for details regarding the new parameters of the respective streams / Stream Id's for FO segment are provided below.

Important instructions for implementation of the above:

1. **An interim coexistence period for receiving broadcast from both existing and new parameters shall be provided by the Exchange, after which Exchange shall discontinue the existing broadcast parameters.**

2. Members are required to ensure that all necessary SOP / policy / procedures / mechanism are in place to switch to existing parameters if required in LIVE during this co-existence period.

3. Members are required to note there is **no change in UDP application version** and are advised to take market data broadcast **from single parameter at a time** i.e. either existing or new parameter. Refer to the annexure provided below for the parameters.

4. Existing transcodes (except 7201, 7202 & 7130) and new transcodes (i.e. 17201, 17202 & 17130) will be available in new broadcast parameters. For details regarding new transcodes, kindly refer relevant NNF API document (link provided in point 6).

5. Details of coexistence and migration plan for Market data Broadcast, NEAT and NNF users are as below:

Functionality	Date
Release of New market data broadcast parameters **(5 depth 1 second refresh)**	July 19, 2025
Release of new NEAT version (7.8.2) with **new broadcast market data parameters (5 depth 1 second refresh)**	July 19, 2025
Discontinuation of existing market data broadcast parameters for NNF users **(5 depth 1 second refresh)**	Shall be communicated separately

6. For further details of implementation, members may refer the latest NNF API document (Version 9.43) detailing the encryption protocol is available on Exchange website under path:
https://www.nseindia.com/trade/platform-services-neat-trading-system-protocols

7. Details of the applicable NEAT version shall be communicated vide separate circular.

For and on behalf of
National Stock Exchange of India Limited

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Annexure 1

Updated Table A (Combined broadcast)

Price volume (5 depth 1 second refresh), other related data, master updates, market open / close status message broadcast etc.

Stream	Security / Contracts	Existing Parameter		New Parameter for receiving market data through Existing transcodes (except 7201, 7202 & 7130) and New transcodes (17201, 17202 & 17130)		Approx. bandwidth utilization*
		Multicast IP	Port	Multicast IP	Port	
FO (Source 1)	Active	239.50.50.22	10822	239.50.50.21	10821	2.5 Mbps
FO (Source 2)		239.50.50.27	10827	239.50.50.26	10826	2.5 Mbps

*Approx. Bandwidth utilization is for single parameter i.e. either existing or new parameters

Table B (Stream wise Broadcast)

Price volume (5 depth 1 second refresh), other related data, master updates, market open / close status message broadcast etc. on additional streams in FO Segment:

Existing broadcast parameters:

Stream	Stream ID	Security / Contracts *	(Source 1)		(Source 2)		Approx. bandwidth utilization
			Multicast IP	Port	Multicast IP	Port	
FO Stream B	1	As per master stream file	239.50.51.21	15021	239.50.51.121	15121	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream C	2	As per master stream file	239.50.51.22	15022	239.50.51.122	15122	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream D	3	As per master stream file	239.50.51.23	15023	239.50.51.123	15123	0.6 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
	4		239.50.51.24	15024	239.50.51.124	15124	0.9 Mbps

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FO Stream E		As per master stream file	239.50.51.20	15020	239.50.51.20	15020	
FO Stream F	5	As per master stream file	239.50.51.25	15025	239.50.51.125	15125	0.4 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream G	6	As per master stream file	239.50.51.26	15026	239.50.51.126	15126	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream H	7	As per master stream file	239.50.51.27	15027	239.50.51.127	15127	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream I	8	As per master stream file	239.50.51.28	15028	239.50.51.128	15128	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream J	9	As per master stream file	239.50.51.29	15029	239.50.51.129	15129	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream K	10	As per master stream file	239.50.51.30	15030	239.50.51.130	15130	0.4 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream L	11	As per master stream file	239.50.51.31	15031	239.50.51.131	15131	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream M	12	As per master stream file	239.50.51.32	15032	239.50.51.132	15132	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream N	13	As per master stream file	239.50.51.33	15033	239.50.51.133	15133	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream O	14	As per master stream file	239.50.51.34	15034	239.50.51.134	15134	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream P	15	As per master stream file	239.50.51.35	15035	239.50.51.135	15135	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream Q	16	As per master stream file	239.50.51.36	15036	239.50.51.136	15136	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
	17		239.50.51.37	15037	239.50.51.137	15137	3 Mbps

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FO Stream R		As per master stream file	239.50.51.20	15020	239.50.51.20	15020	
FO Stream S	18	As per master stream file	239.50.51.38	15038	239.50.51.138	15138	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	

New broadcast parameters:

Members using stream broadcast are required to change to the updated parameters to receive the Existing transcodes (except 7201, 7202 & 7130) and new transcodes (i.e. 17201, 17202 & 17130) as per table below:

Stream	Stream ID	Security / Contracts *	(Source 1)		(Source 2)		Approx. bandwidth utilization
			Multicast IP	Port	Multicast IP	Port	
FO Stream B	1	As per master stream file	239.50.51.51	15051	239.50.51.151	15151	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream C	2	As per master stream file	239.50.51.52	15052	239.50.51.152	15152	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream D	3	As per master stream file	239.50.51.53	15053	239.50.51.153	15153	0.6 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream E	4	As per master stream file	239.50.51.54	15054	239.50.51.154	15154	0.9 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream F	5	As per master stream file	239.50.51.55	15055	239.50.51.155	15155	0.4 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream G	6	As per master stream file	239.50.51.56	15056	239.50.51.156	15156	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream H	7	As per master stream file	239.50.51.57	15057	239.50.51.157	15157	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream I	8	As per master stream file	239.50.51.58	15058	239.50.51.158	15158	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
	9		239.50.51.59	15059	239.50.51.159	15159	0.1 Mbps

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FO Stream J		As per master stream file	239.50.51.20	15020	239.50.51.20	15020	
FO Stream K	10	As per master stream file	239.50.51.60	15060	239.50.51.160	15160	0.4 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream L	11	As per master stream file	239.50.51.61	15061	239.50.51.161	15161	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream M	12	As per master stream file	239.50.51.62	15062	239.50.51.162	15162	0.1 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream N	13	As per master stream file	239.50.51.63	15063	239.50.51.163	15163	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream O	14	As per master stream file	239.50.51.64	15064	239.50.51.164	15164	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream P	15	As per master stream file	239.50.51.65	15065	239.50.51.165	15165	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream Q	16	As per master stream file	239.50.51.66	15066	239.50.51.166	15166	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream R	17	As per master stream file	239.50.51.67	15067	239.50.51.167	15167	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	
FO Stream S	18	As per master stream file	239.50.51.68	15068	239.50.51.168	15168	3 Mbps
			239.50.51.20	15020	239.50.51.20	15020	

Notes: 1) Stream wise broadcast is not recommended for Neatplus application.

2) *Members are required to refer the Master Files for MTBT for details regarding tokens broadcasted in the respective stream(s).*

General Notes applicable for all types of market data broadcast:

- *The size of broadcast indicated above is an estimated approximation and shall change depending upon the market activity. Thus, Market participants are strongly advised to monitor and adequately size their infrastructure and systems while subscribing to these feeds.*
- *With respect to using Exchange data, Member's may kindly take note of Exchange circulars NSE/MSD/64333 dated October 03, 2024, NSE/COMP/56426 dated April 20, 2023 and NSE/MEM/26958*

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dated June 19, 2014. Exchange data can be used by Member's clients who are registered for trading with the member on the Exchange in any segment.

- *With respect to using Exchange data, Member's may also kindly take note of Exchange circular [NSE/MSD/54696](#) dated December 02, 2022 regarding Market Data Broadcasts – Advisory and Member Guide.*

- *Members shall be solely responsible for implementing and maintaining redundancy for market data broadcast subscribed from NSEIL. NSEIL shall not be held liable in any manner whatsoever including but not limited to for any disconnection, excess bandwidth utilization, related latency issues' etc. which arises out of the member's decisions on market data broadcast configurations.*

- *National Stock Exchange of India Limited ("NSEIL") strongly recommends its members to build resilience and redundancy in their subscription to market data broadcast provided by NSEIL, to ensure continuity of their business operations. NSEIL has made enabling provisions for members to implement redundancies by providing two sources of data and/or data recovery mechanisms. Members shall be solely responsible for implementing and maintaining redundancy for market data broadcast subscribed from NSEIL. NSEIL shall not be held liable in any manner whatsoever including but not limited to for any disconnection, excess bandwidth utilization, related latency issues' etc. which arises out of the member's decisions on market data broadcast configurations.*