

# CanDeal DNA Price Challenge Policy

V5.0

Our information advantage is not our only business advantage: we seek to be fully transparent in our processes, and to provide high-touch quantitative and operational support to our clients. CanDeal DNA's technology is supported by the same team who operate CanDeal Markets trading services. Our cloud-hosted platform is scalable, unbreakable and secure.

This document sets out the policy and procedures for clients to:

1. challenge a published CanDeal DNA Price; and/or
2. challenge a missing CanDeal DNA Price (where a price was expected for a specific security but not received).

## Principles

The following principles apply to all DNA Price Challenges:

1. All DNA Price Challenges raised by any parties to CanDeal DNA must be handled in a reasonable and timely manner. The initial response, the DNA Price Challenge (L1 Summary) report, will be provided within one business day.
2. A DNA Price Challenge is considered closed and resolved once CanDeal DNA has 'Confirmed' the price being challenged.
3. All DNA Price Challenges that are not confirmed by the initial response (L1 Summary) will be monitored until resolved. Once 'Confirmed' they are then considered closed and resolved.
4. Records of all DNA Price Challenges must be kept by CanDeal DNA for five years.

## Procedures

1. In the event of a price challenge, clients should submit the following price challenge details by email, or in Excel spreadsheet when it consists of 3 or more securities, to CanDeal Support at [DNASupport@CanDeal.com](mailto:DNASupport@CanDeal.com):
  - Security ID Type (e.g., CUSIP, ISIN, CINS)
  - Security ID
  - Date
  - Time (e.g., 1PM, 3PM, 4PM)
  - Extended Client Originated Indicator:
    - N = price challenge originated directly from DNA Client
    - Y = price challenge originated from a client of the DNA Client
  - Data Source (Name of the DNA Pricing Distributor or DNA File Name)
  - Security Details (e.g., Security Name/Description, Security Type, Coupon Rate, Maturity Date, Issuer Name) \*required when challenging a missing CanDeal DNA Price
  - DNA Price Level
  - Expected Price Level
  - Supporting information on the Expected Price Level



- On receipt, CanDeal Support will assign a unique Case#. Within one business day, CanDeal Support will provide the **DNA Price Challenge (L1 Summary) (Rpt158)** report by email. This report will indicate whether the price has been confirmed or not and will provide summarized supporting information.
- When a price challenge has not been confirmed, it is automatically escalated to the CanDeal DNA Data Operations team where it will be investigated and monitored. The process could take up to 5 business days, any price adjustments would take effect from next available snapshot onwards and price could be withdrawn in cases where timely resolution cannot be made. Updates as to the current status of an unconfirmed price challenge can be requested by email to CanDeal Support at [DNASupport@CanDeal.com](mailto:DNASupport@CanDeal.com) referencing the Case#. Once an unconfirmed price challenge has been investigated, CanDeal Support will provide an updated **DNA Price Challenge (L1 Summary) (Rpt158)** report by email.
- When a price challenge has been confirmed, but a client has supporting information to suggest a price that differs from a confirmed price significantly, they can request the **DNA Price Challenge (L2 Detail) (Rpt162)** report by email to CanDeal Support at [DNASupport@CanDeal.com](mailto:DNASupport@CanDeal.com) referencing the Case#, Security ID and Security ID Type. This report will provide detailed supporting information for a confirmed price.

### DNA Price Challenge (L1 Summary) - Sample

Excel file that provides the summarized response for DNA Price Challenges. This report can contain one or many DNA Price Challenges specific to a Client.

Business Date	Business Time	Security Id	Security Id Type	DNA Security Name	Quote Count	Quote Distribution	Contributed Bid Range	Response	Status/Response Comments	Composite Bid Type	Composite Bid Price	Eval
2020-12-18	4PM	077906KC8	CUSIP	BELLCAN COUPON 2043-JUN-01	2	Evenly	36.204 - 38.331	Confirmed	Confirmed: 077906KC8 has no qualified trade history and only 2 contribute AVG		37.2672595	
2020-12-18	4PM	39138CAK2	CUSIP	GWSTLRF 2.379% 2030-MAY-14	5	Skewed MIN	104.776 - 105.797	Confirmed	Confirmed: 39138CAK2 has been traded at ~105 recently, which is within o PFC		105.1812198	
2020-12-18	4PM	448112MH9	CUSIP	HYDRONELTD COUPON 2026-MAR-03	1		91.023 - 91.023	Confirmed	Confirmed: 448112MH9 has no qualified trade history and only 1 contribute SDP		91.023593	
2020-12-18	4PM	448112MM8	CUSIP	HYDRONELTD COUPON 2026-MAR-03	1		87.414 - 87.414	Confirmed	Confirmed: 448112MM8 has no qualified trade history and only 1 contribute SDP		87.414017	
2020-12-18	4PM	02138ZAR4	CUSIP	ALTASGL 4.99% 2047-OCT-04	5	Evenly	119.876 - 121.165	Confirmed	Confirmed: 02138ZAR4 has 5 contributed bid quotes between 119.876 - 12 PFC		120.5008761	
2020-12-18	4PM	26857QAA9	CUSIP	ELFINLCO 4% 2050-JUN-22	3	Evenly	102.805 - 106.405	Confirmed	Confirmed: 26857QAA9 has been traded at ~104 recently, which is within o PFC		104.3024414	
2020-12-18	4PM	448112M01	CUSIP	HYDRONELTD COUPON 2026-SEP-03	1		92.706 - 92.706	Confirmed	Confirmed: 448112M01 has no qualified trade history and only 1 contribute SDP		92.706238	
2020-12-18	4PM	448112M15	CUSIP	HYDRONELTD COUPON 2026-SEP-03	1		90.382 - 90.382	Confirmed	Confirmed: 448112M15 has no qualified trade history and only 1 contribute SDP		90.38208	
2020-12-18	4PM	448112MR7	CUSIP	HYDRONELTD COUPON 2030-MAR-03	1		80.530 - 80.530	Confirmed	Confirmed: 448112MR7 has no qualified trade history and only 1 contribute SDP		80.529816	



## DNA Price Challenge (L2 Detail) - Sample

PDF file that provides a detailed response for a DNA Price Challenge. This report is specific to a single DNA Price Challenge.

CanDeal DNA  
DNA Price Challenge Report (L2 Detail)

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Business Date

Security\_ID

File Time

**CanDeal Reference Bid Price**

Security ID	Security Description	CanDeal Trade Class	#Contrib	Reference Bid Yield	Reference Ask Yield	Reference Bid Price	Reference Ask Price
891288DM1	TORONTON 3.5% 2036-JUN-02	Observed Material	5	2.289	2.272	115.541	115.782

Security Type: Bond	Extendible: N	Issuer Sector: MUNI
Coupon Rate: 3.5%	Convertible: N	Issuer Short Term Rating:
Maturity Date: 6/2/2036	NVCC: N	Issuer Long Term Rating: AA
Coupon Structure: FIXED	Bail In: N	Composite Credit Rating: AA
Coupon Frequency: SEMIANNUAL	Redemption: Fixed Maturity	Debt Term: LT
Callable: N	Redemption Value: 100.00	Geocurrency: Domestic
Putable: N	Debt Rank Type: SENIOR	Calculation Type: BULLET
Sinkable: N	Debt Security Type: UNSECURED	

**Daily Price Contributions**

ID	Bid	Ask	Bid Yield	Ask Yield	Bid Diff	Ask Diff
1	115.882	116.163	2.265	2.245	0.341	0.381
2	115.672	115.742	2.280	2.275	0.131	(0.040)
3	115.609	115.965	2.284	2.259	0.068	0.183
4	115.602	115.952	2.285	2.260	0.061	0.170
5	115.448	115.598	2.296	2.286	(0.093)	(0.184)
6	114.282		2.380	2.380	(1.259)	

**Recent Trade Activity - Last traded: today**

Trade Date	Exec Time	Side	Size	Qty (MM)	Price	Diff
2/17/2021	12:21:09	Buy	I	2.000	116.355	(0.814)
2/16/2021	16:54:12	Buy	I	14.000	115.520	0.021
2/4/2021	13:12:28	Buy	I	1.500	117.355	(1.814)
2/3/2021	14:10:24	Buy	I	0.400	117.365	(1.824)
1/28/2021	13:06:59	Buy	I	3.000	118.415	(2.874)
1/27/2021	14:13:26	Sell	I	0.838	118.795	(3.013)
1/26/2021	12:57:24	Sell	I	1.032	118.879	(3.097)
1/15/2021	10:50:17	Sell	I	23.858	118.738	(2.956)
1/8/2021	18:30:17	Buy	I	0.620	118.300	(2.759)
1/4/2021	10:57:11	Sell	I	2.000	120.865	(5.083)

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## Additional Information

For additional information please visit [www.CanDeal.com](http://www.CanDeal.com) or email CanDeal Support at [DNASupport@CanDeal.com](mailto:DNASupport@CanDeal.com).

To learn more about CanDeal DNA solutions or to speak with a sales representative email CanDeal DNA Sales at [DNASales@CanDeal.com](mailto:DNASales@CanDeal.com).

CanDeal DNA Price Challenge Policy v5.0

Page 3 of 3

V5.2023.12