



US Equity/Options Symbology Reference

Version 1.7.0

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1 Introduction

1.1 Overview

The US Equity/Options Symbology Reference describes Cboe support of various symbology formats for both equity and options markets.

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2 US Equity Symbology

2.1 Symbology for CQS Symbols

Type	SIAC/CQS Suffix	Exchange/CMS Suffix	Cboe Suffix
Preferred	p	PR	-
Preferred Class "A" †	pA	PRA	-A
Class "A" †	.A	A	.A
Warrants	.WS	WS	+
Warrants Class "A" †	.WS.A	WSA	+A
When Distributed	.WD	WD	\$
Preferred When Distributed	p.WD	PRWD	-\$
Preferred Class "A" When Distributed †	pA.WD	PRAW	-A\$
Called	.CL	CL	*
Class "A" Called †	.A.CL	ACL	.A*
Preferred Called	p.CL	PRCL	-*
Preferred "A" Called †	pA.CL	PRACL	-A*
Emerging Company Marketplace	.EC	EC	!
Partial Paid	.PP	PP	@
Convertible	.CV	CV	%
Convertible Called	.CV.CL	CVCL	%*
Class "A" Convertible	.A.CV	ACV	.A%
Preferred Class "A" Convertible	pA.CV	PRACV	-A%
Rights	r	RT	^
Units	.U	U	=
When Issued	W	WI	#
Rights When Issued	rw	RTWI	^#
Preferred When Issued	pw	PRWI	-#
Preferred "A" When Issued †	pAw	PRAWI	-A#
Class "A" When Issued †	.Aw	AWI	.A#
Warrant When Issued	.WSw	WSWI	+#
Test	.TEST	TEST	~

†While Class examples in table are represented by Class "A" subordinate issues, any Class in the range of A-Z (Class "U" is generally avoided due to conflicts with the Unit Symbology Suffix) will be allowed. Replace all "A" references with appropriate Class type for the appropriate Symbology.

2.2 Market Data Symbology

The symbology for PITCH and TOP use different message structure formats (e.g. short vs. long) to provide support symbols of varying lengths. Refer to the appropriate technical specification for full details.

Subordinate CQS securities will be represented on all Cboe proprietary market data feeds using Cboe Suffix Symbology. Subordinate NASDAQ-listed securities do not require conversion as they are limited to 6 characters.

2.3 CQS Order Entry Symbology

For both BOE and FIX order entry, you may send the entire Cboe formatted CQS symbol including Cboe suffix in *Symbol* (FIX Tag 55)

-OR-

Send the root prefix in *Symbol* and either the CQS or CMS suffix in *SymbolSfx* (FIX Tag 65).

2.4 NASDAQ-Listed Order Entry Symbology

For both BOE and FIX order entry, you may send the entire NASDAQ formatted symbol in *Symbol* (FIX Tag 55)

-OR-

Provided that the symbol has a delimiter, such as a “.” to differentiate the root from the suffix, send the root prefix in *Symbol* (FIX Tag 55) and the uppercase character that appears after any delimiter in *SymbolSfx* (FIX Tag 65). For example, ZXYX.B would be accepted if sent with 55=ZXYX and 65=B.

3 US Options Symbology

The BZX, EDGX and C2 Options Exchanges use an OSI compliant symbology. Order entry is available in BOE or FIX. Market data is available only via Multicast PITCH. Multicast PITCH uses a unique 6 character base 62 compressed Symbol ID which maps to the OSI symbol. The Symbol ID maps to the same OSI symbol in BZX, EDGX and C2 Options. More information can be found in the [Multicast PITCH Specification](#).

3.1 BOE/FIX <=> OSI Map

OSI Data Element	Options Root	Yr.	Mo.	Day	C/P	Dollar Strike	Decimal Strike
[OSI Size]	[6]	[2]	[2]	[2]	[1]	[5]	[3]
FIX Tag	55	200		205	201	202	
FIX Format	[A] - [ZZZZZZ]	[YYYYMM]		[DD]	[0/1]	0-99999.999	
BOE Field	Symbol	MaturityDate			PutOrCall	StrikePrice	
BOE Format	[A] - [ZZZZZZ]	[YYYYMMDD]			[0/1]	0-99999.999	

The options root *typically* uses equity root symbol as discussed above. In cases of where the OCC provides an underlying ID map, Cboe will support the OCC mapped ID.

4 Support

Please e-mail questions or comments regarding this reference to tradedesk@cboe.com.

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Revision History

Document Version	Date	Description
1.0.0	12/03/08	Reference table located in multiple specs consolidated to a single document.
1.1.0	10/05/09	Addition for Bats Options
1.2.0	12/02/09	Converted to new specification template. Corrected Rights, When Issued, Rights When Issued and Preferred When Issues CQS symbology. First character was incorrectly referenced as upper case.
1.3.0	02/09/10	Corrected type in Section 3.1.
1.4.0	11/29/11	Updated CQS Symbology table and noted Class types for any given subordinate issue may be in the range of A-Z. Updated Market Data Symbology section. Added references to BOE (Binary Order Entry).
1.5.0	10/18/13	Split CQS Order Entry Symbology and NASDAQ-listed Order Entry Symbology into separate sections. Minor updates to Market Data Symbology.
1.5.1	11/29/13	Update allowing NASDAQ-Listed securities with a delimiter to be sent using <i>Symbol</i> (FIX Tag 55) and <i>SymbolSfx</i> (FIX Tag 65).
1.5.2	07/28/15	Included support for EDGX Options Exchange
1.6.0	02/19/16	Bats branding/logo changes.
1.6.1	09/01/17	Added support for the C2 Options Exchange
1.6.2	10/17/17	Cboe branding/logo changes.
1.7.0	06/01/18	Updated SIAC/CQS symbology to use dots '.' in lieu of slashes '/' as the delimiter. Symbology changed with SIAC migration to binary input.