



Filing Fee Beta
XBRL Guide



Filing Fee Beta

Inline XBRL Guide

VERSION b1



Filing Fee Beta
XBRL Guide

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Filing Fee Inline XBRL Attachments

An Inline XBRL Filing Fee exhibit may be prepared using EDGAR's Fee Exhibit Preparation Tool (FEPT) as part of EDGAR Link Online (ELO) or by a third-party Inline XBRL document preparation tool.

The Inline XBRL Filing Fee exhibit is identified as the "EX-FILING FEES" attachment document type. The Inline XBRL Filing Fee exhibit (EX-Filing Fees) is a separate XBRL instance identified as "EX-FILING FEES". EX-Filing Fees is independent of any primary document attachments comprising an inline XBRL Document Set (such as for a 10-K exhibit) or any other inline XBRL instances. The EX-Filing Fee taxonomy, facts, units, and their supporting contexts, should not be comingled with any other inline XBRL instances. Selecting a different document type will result in the submission being suspended. Selecting a different document type will result in the submission being suspended.

The exhibit is viewed and prepared as tables (specified by the linkroles of the FFD taxonomy dimensions hypercubes). These tables may have more than one line use per a line number dimension to identify which facts are logically grouped on that line. (The line number is an integer with no constraints, it could be sequential or anything else meaningful to the author.)

The Tables are:

Table (link role name)	Table has lines (lineNo dimension)
Submission Table	No
Fees Summary Table	No
Fees, by Offering	Yes
Fees, by Offset	Yes
Fees, by Combined Prospectus	Yes
Securities, 424I	Yes

Error identification reference numbering is noted with each issue validated below, for example the Submission Table ffd:RegnFileNb validation is in section 1 validation 1, represented as 1.1.

1. Submission Table

The following submission table facts are specified by the EDGAR Filer Manual, Vol II:



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Exhibit Type	FILING FEE
EFM Section DEI Element	
6.5.21 dei:EntityRegistrantName	X*
6.5.21 dei:EntityCentralIndexKey	X*

In the required context:

X* – A non-null fact must exist.

The remainder of this section specifies table facts specific to Filing Fee attachments:

Submission Type	424I	Others
FFD Element		
1 ffd:RegnFileNb	W	W ^A
2 ffd:FormTp		X ^{sub}
3 ffd:SubmissnTp		X*
4 ffd:FeeExhibitTp		X ^{FF}
5 ffd:IssrNm	W, T	
6 ffd:IssrBizAdrStrt1	W	
7 ffd:IssrBizAdrStrt2	W ²	
8 ffd:IssrBizAdrCity	W	
9 ffd:IssrBizAdrStatOrCtryCd	W ²	
10 ffd:IssrBizAdrZipCd	W	
11 ffd:CeasedOprsDt	O*	
12 ffd:RptgFsclyrEndDt	W ^D , DB, Future	

In the required context:

X* – A non-null fact must exist.

W – A non-null fact should exist (warning).

W^A – For Amendment Filings, non-null fact should exist (submission types S-1/A, S-3/A, S-11/A, N-2/A, F-1/A, F-3/A, SF-1/A, SF-3/A, N-2/A, N-2 POSASR, POS AM, POSASRS-4/A, N-14 8C/A, F-4/A, F-10/ASF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A) (warning).

W² – Only when ffd:IssrBizAdrStrt1 is provided.

O* – A non-null fact may or may not exist.

X^{sub} – The Form Type must match an allowed form type for the submission type (e.g. F-4 for F-4/a or F-4MEF Submission Type).



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X^{FF} – The fee exhibit type has the value “EX-FILING FEES”.

D – EDGAR date field validations, expected Value between 1980-01-01 and 2050-12-31 (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#\$%&*(). [\]\}|\|\\:;'"<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

W^D – Required if ffd:CeasedOprsDt is not provided (warning).

DB – When provided, must match Database record of filer registration.

Future – Must not be a future date.

Blank – A non-null fact should not exist.

In any other context a non-null fact should not exist.

2. Fees Summary Table

This table has no dimensions.



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Submission Type	424I	SC*	Others
FFD Element			
1 ffd:TtlOfferingAmt			$TtlOfferingAmt = \sum ffd:MaxAggtOfferingPric^{OF}$
2 ffd:TtlPrevsllyPdAmt		$TtlPrevsllyPdAmt \succcurlyeq TtlFeeAmt \wedge TtlOffsetAmt = 0,$ $TtlPrevsllyPdAmt \succcurlyeq TtlFeeAmt \wedge TtlOffsetAmt \neq 0$	
3 ffd:TtlFeeAmt	$\sum ffd:FeeAmt^{424}$	$\sum ffd:FeeAmt^{OF}$	
4 ffd:TtlTxValtn		$\sum TxValtn$	
5 ffd:FeeIntrstAmt	$TtlFeeAmt \times feeRate \times$ $yrs\ late$		
6 ffd:TtlOffsetAmt	$N^P, TtlFeeAmt +$ $FeeIntrstAmt$		$TtlOffsetAmt \succcurlyeq TtlFeeAmt -$ $TtlPrevsllyPdAmt$
7 ffd:NetFeeAmt	$TtlFeeAmt -$ $TtlOffsetAmt +$ $FeeIntrstAmt$		
8 ffd:TtlFeeAndIntrstAmt	$TtlFeeAmt +$ $FeeIntrstAmt$		
Submission Type	POS*	424B*	Validation
FFD Element			
9 ffd:NrrtvDsclsr	ND, HTML	ND	Either ND or NP
10 ffd:NrrtvMaxAggtOfferingPric	NP	NP	
11 ffd:NrrtvMaxAggtAmt			
12 ffd:FnlPrspctsFlg		O	

References:

^{OF} – From the Offerings table.

⁴²⁴ – From the 424I table.

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

N^P – Number range from 0 to 99,999,999,999.99.

ND – Narrative disclosure.

NP – Narrative price.

SC* – SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A.

POS* – POS AM, POSASR, N-2 POSASR.



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424B* – 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8.

3. Offering Table

Offering table facts are grouped by lineNo dimension into lines. Validations are performed by line (on the facts of the table which have the same lineNo dimension member). Dimensional errors (missing lineNo dimension) are according to applicable XBRL standard.

3.1 Offering table rule flags

The rule flags identify the rule applicable to a line, one of ffd:Rule457aFlg, fd:Rule457oF, fd:Rule457uFlg, ffd:Rule457rFlg, ffd:Rule457sFlg, ffd:Rule011Flg, ffd:FeesOthrRuleFlg or ffd:Rule415a6Flg may be specified for a line, except when ffd:Rule011Flg can be deemed to be defaulted. ffd:Rule011Flg is deemed “true” when there is none of these flags for submission types PREM14A, PREM14C, PRER14A, PRER14C, SC 13E1, SC 13E1/A, SC 13E3, SC 13E3/A, SC TO-I, SC TO-I/A, SC TO-T, SC TO-T/A, SC13E4F, SC13E4F/A, SC14D1F and SC14D1F/A

3.2 Rule 457(a) lines

The following validations are provided for lines specifying ffd:Rule457aFlg, for applicable submission types S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-1/A, S-3/A, S-11/A, N-2/A, F-1/A, F-3/A, SF-1/A, SF-3/A, POS AM, POSASR, N-2 POSASR, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, S-4/A, N-14 8C/A, F-4/A, F-10/A, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A , S-8

Submission Type	Fees to be paid	Fees previously paid	Validation*
FFD Element			
1 ffd: PrevslyPdFlg		W, F ^A	
2 ffd:OfferingSctyTp ^{457(a)}		W	Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.



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Submission Type	Fees to be paid	Fees previously paid	Validation*
3 ffd:OfferingSctyTitl ^{457(f)}		W, T	
4 ffd:AmtSctiesRegd ^{457(f)}		W, N ^S	
5 ffd:MaxOfferingPricPerScty ^{457(f)}		W, N ^{PS}	
6 ffd:MaxAggtOfferingPric ^{457(f)}		W, N ^P	ffd:AmtSctiesRegd × ffd:MaxOfferingPricPerScty
		DB	
8 ffd:FeeRate ^{457(f)}	W ² , Fee ^{DAY}	U ^O	
9 ffd:FeeAmt ^{457(f)}		W, N ^F	ffd:MaxOfferingPrice × ffd:FeeRate
21 ffd:OfferingNote		HTML	

In a context with lineNo dimensions:

^{457(f)} – Not applicable when Rule 457(f) is specified for the same context (see 3.10 Rule 457(f))

W – Required, including any additional validation in adjacent column, (warning)

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#\$%&*(). [\]{}|\\:;'"<>_?/=\\t\\n\\r\\f+-]{1,150} (warning)

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded)

F^A – Must be false for non-amendment submission types (S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, S-8)

Fee^{DAY} – Must match the fee rate of the day submitted.

N^S – Number range from 0 to 999,999,999,999

N^{PS} – Number range from 0 to 999,999,999,999.9999

N^P – Number range from 0 to 99,999,999,999,999.99

N^F – Number range from 0 to 999,999,999,999.99

DB - Maximum Aggregate Offering Price amount provided should match the prior filing using the Security Type and Security Class Title combination for the file number specified on the filing

U^O –Unexpected, may be omitted.

Validation* - Excluding and unexpected for submission types 424I, SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A, PREM14A, PREM14C



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3.3 Rule 457(o) lines

The following validations are provided for lines specifying ffd:Rule457oFlg, for applicable submission types S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-1/A, S-3/A, S-11/A, N-2/A, F-1/A, F-3/A, SF-1/A, SF-3/A, POS AM, POSASR, N-2 POSASR, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, S-4/A, N-14 8C/A, F-4/A, F-10/A, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A , S-8

FFD Element \ Submission Type	Fees to be paid	Fees previously paid	Validation*
1 ffd: PrevslyPdFlg	W, F ^A		
2 ffd:OfferingSctyTp ^{457(f)}	W		Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.
3 ffd:OfferingSctyTitl ^{457(f)}	W, T		
4 ffd:AmtSctiesRegd ^{457(f)}	N ^S , U ^O		
5 ffd:MaxOfferingPricPerScty ^{457(f)}	N ^{PS} , U ^O		
6 ffd:MaxAggtOfferingPric ^{457(f)}	W, N ^P		
8 ffd:FeeRate ^{457(f)}	W ² , Fee ^{DAY}	U ^O	
9 ffd:FeeAmt ^{457(f)}	W, N ^F		
21 ffd:OfferingNote	HTML		
UUS Amending			unallocated shelf in the "Fees to be Paid" rows, and below those classes I include an additional line for Security Type "Unallocated (Universal) Shelf"

In a context with lineNo dimensions:

^{457(f)} – Not applicable when Rule 457(f) is specified for the same context (see 3.10 Rule 457(f))

W – Required, including any additional validation in adjacent column, (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z~!@#\$%&*(). [\]{}|\:\;"'<>,_?/= \t\n\r\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

F^A – Must be false for non-amendment submission types (S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, S-8).

Fee^{DAY} – Must match the fee rate of the day submitted.

N^S – Number range from 0 to 999,999,999,999.

N^{PS} – Number range from 0 to 999,999,999,999.9999.



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N^P – Number range from 0 to 99,999,999,999.99.

N^F – Number range from 0 to 999,999,999,999.99.

U^O –Unexpected, may be omitted.

Validation* - Excluding and unexpected for submission types 424I, SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A.

3.4 Rule 457(r) lines

The following validations are provided for lines specifying ffd:Rule457rFlg, for applicable submission types of S-3ASR, N-2ASR, F-3ASR, POSASR, N-2 POSASR, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8

FFD Element \ Submission Type	Fees to be paid	Fees previously paid	Validation*
1 ffd: PrevslyPdFlg	W, F ^A		
2 ffd:OfferingSctyTp	W		Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.
3 ffd:OfferingSctyTitl	W, T		
4 ffd:AmtSctiesRegd	N ^S , U ^O		
5 ffd:MaxOfferingPricPerScty	N ^{PS} , U ^O		
6 ffd:MaxAggtOfferingPric	N ^P , U ^O		
8 ffd:FeeRate	O, Fee ^{DAY}	U ^O	
9 ffd:FeeAmt	O, N ^F		
21 ffd:OfferingNote	HTML		

In a context with lineNo dimensions:

W – Required, including any additional validation in adjacent column, (warning).

O – Optional.

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#\$\$%&*(). [\]\{\}\|\:\;\'\<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

F^A – Must be false for non-amendment submission types (S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, S-8).



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Fee^{DAY} – Must match the fee rate of the day submitted.

N^S – Number range from 0 to 999,999,999,999.

N^{PS} – Number range from 0 to 999,999,999,999.9999.

N^P – Number range from 0 to 99,999,999,999,999.99.

N^F – Number range from 0 to 999,999,999,999.99.

U^O – Unexpected, may be omitted.

Validation* - Excluding and unexpected for submission types not one of: S-3ASR, N-2ASR, F-3ASR, POSASR, N-2 POSASR, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8

3.5 Rule 457(s) lines

The following validations are provided for lines specifying ffd:Rule457sFlg, for applicable submission types of SF-3, SF-3/A, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A

FFD Element \ Submission Type	Fees to be paid	Fees previously paid	Validation*
1 ffd: PrevslyPdFlg	W, F ^A		
2 ffd:OfferingSctyTp	W		Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.
3 ffd:OfferingSctyTitl	W, T		
4 ffd:AmtSctiesRegd	N ^S , U ^O		
5 ffd:MaxOfferingPricPerScty	N ^{PS} , U ^O		
6 ffd:MaxAggtOfferingPric	N ^P , U ^O		0 is allowed. ffd:AmtSctiesRegd × ffd:MaxOfferingPricPerScty
8 ffd:FeeRate	O, Fee ^{DAY}	U ^O	
9 ffd:FeeAmt	O, N ^F		
21 ffd:OfferingNote	W, HTML		

In a context with lineNo dimensions:

W – Required, including any additional validation in adjacent column, (warning).

O – Optional.

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#\$%&*(). [\]\|\\:;'"<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).



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FA – Must be false for non-amendment submission types (SF-3).

Fee^{DAY} – Must match the fee rate of the day submitted.

N^S – Number range from 0 to 999,999,999,999.

N^{PS} – Number range from 0 to 999,999,999,999.9999.

N^P – Number range from 0 to 99,999,999,999,999.99.

N^F – Number range from 0 to 999,999,999,999.99.

U^O –Unexpected, may be omitted.

Validation* - Excluding and unexpected for submission types not one of: SF-3, SF-3/A, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A

3.6 Rule 457(u) lines

The following validations are provided for lines specifying ffd:Rule457uFlg, for applicable submission types of S-1, S-3, S-3D, F-1, F-3, F-3D, S-1/A, S-3/A, F-1/A, F-3/A.

FFD Element \ Submission Type	Fees to be paid	Fees previously paid	Validation*
1 ffd: PrevslyPdFlg		W, FA	
2 ffd:OfferingSctyTp		W	Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.
3 ffd:OfferingSctyTitl		W, T	
4 ffd:AmtSctiesRegd		U ^W	
5 ffd:MaxOfferingPricPerScty		U ^W	
6 ffd:MaxAggtOfferingPric		U ^W	
8 ffd:FeeRate		U ^W	
9 ffd:FeeAmt		U ^W	
21 ffd:OfferingNote		W, HTML	

In a context with lineNo dimensions:

W – Required, including any additional validation in adjacent column, (warning).

O – Optional.

T – EDGAR text field validations, regex: [0-9A-Za-z~!@#\$\$%&*(). [\]\{\}|\;\;\;"'<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).



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FA – Must be false for non-amendment submission types (S-1, S-3, S-3D, F-1, F-3, F-3D).

U^W –Unexpected, should be omitted.

Validation* - Excluding and unexpected for submission types not one of: S-1, S-3, S-3D, F-1, F-3, F-3D, S-1/A, S-3/A, F-1/A, F-3/A

3.7 "Other" Rule lines

The following validations are provided for lines specifying ffd: FeesOthrRuleFlg, for applicable submission types S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-1/A, S-3/A, S-11/A, N-2/A, F-1/A, F-3/A, SF-1/A, SF-3/A, POS AM, POSASR, N-2 POSASR, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, S-4/A, N-14 8C/A, F-4/A, F-10/A, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A , S-8

FFD Element	Submission Type	Fees to be paid	Fees previously paid	Validation*
1 ffd: PrevslyPdFlg		W, FA		
2 ffd:OfferingSctyTp ^{457(f)}		W		Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.
3 ffd:OfferingSctyTitl ^{457(f)}		W, T		
4 ffd:AmtSctiesRegd ^{457(f)}		O, NS		
5 ffd:MaxOfferingPricPerScty ^{457(f)}		O, N ^{PS}		
6 ffd:MaxAggtOfferingPric ^{457(f)}		O, N ^P		ffd:AmtSctiesRegd × ffd:MaxOfferingPricPerScty
8 ffd:FeeRate ^{457(f)}		O, Fee ^{DAY}	U ^O	
9 ffd:FeeAmt ^{457(f)}		W, N ^F		ffd:MaxOfferingPrice × ffd:FeeRate
21 ffd:OfferingNote ^{457(f)}		W, HTML		

In a context with lineNo dimensions:

^{457(f)} – Not applicable when Rule 457(f) is specified for the same context (see 3.10 Rule 457(f)).

W – Required, including any additional validation in adjacent column, (warning).

O – Optional.

T – EDGAR text field validations, regex: [0-9A-Za-z~!@#\$%&*(). [\]\{\}\|\;\:;'"<>_/?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

FA – Must be false for non-amendment submission types (S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, S-8).



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Fee^{DAY} – Must match the fee rate of the day submitted.

N^S – Number range from 0 to 999,999,999,999.

N^{PS} – Number range from 0 to 999,999,999,999.9999.

N^P – Number range from 0 to 99,999,999,999,999.99.

N^F – Number range from 0 to 999,999,999,999.99.

DB - Maximum Aggregate Offering Price amount provided should match the prior filing using the Security Type and Security Class Title combination for the file number specified on the filing.

U^O –Unexpected, may be omitted.

Validation* - Excluding and unexpected for submission types 424I, SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A, PREM14A, PREM14C

3.8 Rule 415(a)(6) lines

The following validations are provided for lines specifying ffd:Rule415a6Flg, for applicable submission types S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-3, S-1/A, S-3/A, S-11/A, N-2/A, F-1/A, F-3/A, SF-1/A, SF-3/A, POS AM, POSASR, N-2 POSASR, S-4, S-4EF, F-4, S-4/A, F-4/A, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, S-4MEF, S-11MEF, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A , S-8

FFD Element \ Submission Type	Fees to be paid	Fees previously paid	Validation*
1 ffd: PrevslyPdFlg		U ^w	
2 ffd:OfferingSctyTp		W	Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.



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Submission Type	Fees to be paid	Fees previously paid	Validation*
FFD Element			
3 ffd:OfferingSctyTitl		W, T	
4 ffd:AmtSctiesRegd		DB, N ^S	
5 ffd:MaxOfferingPricPerScty		O, N ^{PS}	
6 ffd:MaxAggtOfferingPric		W, DB, N ^P	
8 ffd:FeeRate		U ^w	
9 ffd:FeeAmt		W, N ^F	ffd:MaxOfferingPrice × ffd:FeeRate
10 ffd:CfwdPrrFileNb		W	
11 ffd:CfwdFormTp		W	
12 ffd:CfwdPrrFctvDt		D,DB	
13 ffd:CfwdPrevsllyPdFee		W, N ^F	
21 ffd:OfferingNote		O, HTML	

In a context with lineNo dimensions:

W – Required, including any additional validation in adjacent column, (warning).

O – Optional.

D – EDGAR date field validations, expected Value between 1980-01-01 and 2050-12-31 (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#%&*(). [\]\{\}\|\:\;\;"'<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

F^A – Must be false for non-amendment submission types (S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, S-8).

Fee^{DAY} – Must match the fee rate of the day submitted.

N^S – Number range from 0 to 999,999,999,999.

N^{PS} – Number range from 0 to 999,999,999,999.9999.

N^P – Number range from 0 to 99,999,999,999,999.99.

N^F – Number range from 0 to 999,999,999,999.99.

DB – Validate with EDGAR Database.

U^w –Unexpected, should not be provided.



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Validation* - Excluding and unexpected for submission types 424I, SF-1, SF-1/A, N-14 8C , F-10, F-10EF, N-14 8C/A, F-10/A, SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, N-14MEF, S-1MEF , PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A

3.9 Rule 0-11 lines

The following validations are provided for lines specifying ffd:Rule011Flg or having it deemed true as noted in 2.0.1, for applicable submission types SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A

Submission Type FFD Element	Fees to be paid	Fees previously paid	Validation*
1 ffd: PrevslyPdFlg	W, F ^A		
7 ffd:TxValtn	W	O	
	N ^P		
8 ffd:FeeRate	W ² , Fee ^{DAY}	U ^O	
9 ffd:FeeAmt	W	O	ffd:MaxOfferingPrice × ffd:FeeRate
	N ^F		
9 ffd:FeeAmt	CEF		
21 ffd:OfferingNote	W , HTML		(labeled Transaction Valuation Explanation [Text Block])

In a context with lineNo dimensions:

W – Required, including any additional validation in adjacent column, (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#\$%&*(). [\]\{\}\|\;\;\;"'<>,_?/=\\t\\n\\r\\f+-]{1,150) (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

F^A – Must be false for non-amendment submission types (SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F).

Fee^{DAY} – Must match the fee rate of the day submitted.

N^P – Number range from 0 to 99,999,999,999.99.

CEF – Closed End Funds (parameter) warning if overridden with 0.

DB - Maximum Aggregate Offering Price amount provided should match the prior filing using the Security Type and Security Class Title combination for the file number specified on the filing.



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U^o –Unexpected, may be omitted.

Validation* - Excluding and unexpected for submission types except SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A.

3.10 Rule 457(f) lines

The following validations are provided for lines specifying ffd:Rule457fFlg, which must be used on a line with ffd:Rule457aFlg, ffd:Rule457oF or ffd:FeesOthrRuleFlg (e.g. the flag facts having same lineNo dimension) for applicable submission types S-1, S-11, F-1, S-1/A, S-11/A, F-1/A, POS AM, S-4, S-4EF, N-14 8C, F-4, S-4/A, N-14 8C/A, F-4/A, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8

Submission Type FFD Element	Fees to be paid	Fees previously paid	Validation*
2 ffd:OfferingSctyTp	W		Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.
3 ffd:OfferingSctyTitl	W, T		
4 ffd:AmtSctiesRegd 457(a)	W, N ^S		
4 ffd:AmtSctiesRegd 457(o), Other	O, N ^S		
5 ffd:MaxOfferingPricPerScty	U ^o , N ^{PS}		
6 ffd:MaxAggtOfferingPric	W, N ^P		ffd:AmtSctiesRegd × ffd:MaxOfferingPricPerScty
8 ffd:FeeRate	W ² , Fee ^{DAY}	U ^o	
9 ffd:FeeAmt	W, N ^F		ffd:MaxOfferingPrice × ffd:FeeRate
	DB		
The following are fee note facts, usually displayed in a footnote style below table containing 457(f) facts above			
15. ffd:AmtSctiesRcvd	W, N ^S		
16 ffd:ValSctiesRcvdPerShr	W, N ^{PS}		
17 ffd:ValSctiesRcvd	W, N ^P		ffd:AmtSctiesRcvd x ffd:ValSctiesRcvdPerShr
18 ffd:CshRcvdByRegistrantInTx	O, N ^P		
19 ffd:CshPdByRegistrantInTx	O, N ^P		
20 ffd:FeeNoteMaxAggtOfferingPric	O, I, N ^P		ffd:ValSctiesRcvd + ffd:CshRcvdByRegistrantInTx - ffd:CshPdByRegistrantInTx
21 ffd:OfferingNote	W, HTML		

In a context with lineNo dimensions:



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W – Required, including any additional validation in adjacent column, (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#%&*(). [\]{}|\:;'"<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

F^A – Must be false for non-amendment submission types (S-1, S-3, S-3ASR, S-3D, S-11, N-2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, S-8).

Fee^{DAY} – Must match the fee rate of the day submitted.

N^S – Number range from 0 to 999,999,999,999.

N^{PS} – Number range from 0 to 999,999,999,999.9999.

N^P – Number range from 0 to 99,999,999,999,999.99.

N^F – Number range from 0 to 999,999,999,999.99.

DB - Maximum Aggregate Offering Price amount provided should match the prior filing using the Security Type and Security Class Title combination for the file number specified on the filing.

U^O –Unexpected, may be omitted.

I – Info msg if negative, will be processed as zero.

Validation* - Excluding and unexpected for submission types 424I, SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A, PREM14A, PREM14C

4. Offset Table

4.1 Offset table rule flags

Offset table facts are grouped by lineNo dimension into lines. Validations are performed by line (on the facts of the table which have the same lineNo dimension member). Dimensional errors (missing lineNo dimension) are according to applicable XBRL standard.

The rule flags identify the rule applicable to a line, one of ffd:Rule457bOffsetFlg, ffd:Rule011a2OffsetFlg or ffd:Rule457pOffsetFlg may be specified for a line.

4.2 Rule 457(b) or 0-11(a)(2) lines

The following validations are provided for lines specifying either ffd:Rule457bOffsetFlg or ffd:Rule011a2OffsetFlg, for applicable submission types S-1, S-3, S-3ASR, S-3D, S-11, N-2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-1/A, S-3/A, S-11/A, N-2/A, F-1/A, F-3/A, SF-1/A, SF-3/A,



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POS AM, POSASR, N-2 POSASR, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, S-4/A, N-14 8C/A, F-4/A, F-10/A, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A, S-8

Submission Type FFD Element	Offset Claim	Offset Source	Validation*
1 ffd:OffsetClmdInd	W		A fee offset claim line requires that there be at least one fee offset source line
2 ffd:OffsetPrrFilerNm	U ^W	W, T, DB	
3 ffd:OffsetPrrFormTp	W DB		Must be a valid EDGAR Submission Type
4 ffd:OffsetPrrFileNb	W DB		Validate that it has the following (Securities Act/Exchange Act) File Number prefixes: 333, 033, 002, 001, 811, 814, 005, 000
5 ffd:OffsetClmInitlFilgDt	W, D Future	U ^W	
6 ffd:OffsetSrcFilgDt	U ^W	W, D, Future	
7 ffd:OffsetClmdAmt	W, N ^P	U ^W	
12 ffd:OffsetPrrFeeAmt	U ^W	W, N ^P , DB	
13 ffd:OffsetExpltnForClmdAmt	W ^{SA} , HTML	U	
14 ffd:OffsetNote	O, HTML		

In a context with lineNo dimensions:

W – Required, including any additional validation in adjacent column, (warning).

W^{SA} – “ Required when claiming from a Securities Act filing (file number prefixes 333, 033, 002 file number). Optional when claiming from the Exchange Act filings (file number prefixes 811, 814, 333, 033, 005, 001,000, 002);

D – EDGAR date field validations, expected Value between 1980-01-01 and 2050-12-31 (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#%&*(). [\]{}|\\:;'"<>_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

N^P – Number range from 0 to 99,999,999,999.99.

DB – Validate prior filing.



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U^w –Unexpected, warning.

O – optional.

U – unexpected.

Future – Must not be a future date.

Validation* - Excluding and unexpected for submission types 424I, SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A, PREM14A, PREM14C.

4.3 Rule 457(p) lines

The following validations are provided for lines specifying ffd:Rule457pOffsetFlg, for applicable submission types S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-1/A, S-3/A, S-11/A, N-2/A, F-1/A, F-3/A, SF-1/A, SF-3/A, POS AM, POSASR, N-2 POSASR, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, S-4/A, N-14 8C/A, F-4/A, F-10/A, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A , S-8

FFD Element \ Submission Type	Offset Claim	Offset Source	Validation*
1 ffd:OffsetClmdInd	W		A fee offset claim line requires that there be at least one fee offset source line
2 ffd:OffsetPrrFilerNm	U ^w	W, T, DB	
3 ffd:OffsetPrrFormTp		W DB	Must be a valid EDGAR Submission Type



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Submission Type	Offset Claim	Offset Source	Validation*
FFD Element			
4 ffd:OffsetPrrFileNb	W DB		Validate that it has the following (Securities Act/Exchange Act) File Number prefixes: 333, 033, 002, 001, 811, 814, 005, 000
5 ffd:OffsetClmInitlFilgDt	W, D Future	U ^W	
6 ffd:OffsetSrcFilgDt	U ^W	W, D, Future	
7 ffd:OffsetClmdAmt	W, N ^P	U ^W	
9 ffd:OffsetPrrSctyTitl	W, T	U ^W	
10 ffd:OffsetPrrNbOfUnsoldScties	W, N ^S	U ^W	
12 ffd:OffsetPrrFeeAmt	U ^W	W, N ^P , DB	
14 ffd:OffsetNote	O, HTML		
15 ffd:TermntnCmpltnWdrwl	W, HTML	U	

In a context with lineNo dimensions:

W – Required, including any additional validation in adjacent column, (warning).

W^{SA} – “ Required when claiming from a Securities Act filing (file number prefixes 333, 033, 002 file number). Optional when claiming from the Exchange Act filings (file number prefixes 811, 814, 333, 033, 005, 001,000, 002).

D – EDGAR date field validations, expected Value between 1980-01-01 and 2050-12-31 (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#\$\$%&*(). [\]\{\}|\:\;\;"'<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

N^P – Number range from 0 to 99,999,999,999.99.

N^S – Number range from 0 to 999,999,999,999.

DB – Validate prior filing.

U^W –Unexpected, warning.

O – optional.

U – unexpected.

Future – Must not be a future date.



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Validation* - Excluding and unexpected for submission types 424I, SC 13E1, SC 13E3, SC13E4F, PREM14A, PREM14C, SC TO-I, SC TO-T, SC14D1F, SC 13E1/A, SC 13E3/A, SC 13E4F/A, PRER14A, PRER14C, SC14D1F/A, SC TO-T/A, SC TO-I/A, PREM14A, PREM14C

5. Combined Prospectus Table

5.1 Combined Prospectus table rule flags

Combined Prospectus table facts are grouped by lineNo dimension into lines. Validations are performed by line (on the facts of the table which have the same lineNo dimension member). Dimensional errors (missing lineNo dimension) are according to applicable XBRL standard.

The rule flags identify the rule applicable to a line, ffd:Rule429CmbndPrspctsFlg should be specified for each line.

5.2 Combined Prospectus lines specifying Rule 429

The following validations are provided for lines specifying either ffd:Rule429CmbndPrspctsFlg, for applicable submission types S-1, S-3, S-3ASR, S-3D, S-11, N -2, N-2ASR, F-1, F-3, F-3ASR, F-3D, SF-1, SF-3, S-1/A, S-3/A, S-11/A, N-2/A, F-1/A, F-3/A, SF-1/A, SF-3/A, POS AM, POSASR, N-2 POSASR, S-4, S-4EF, N-14 8C, F-4, F-10, F-10EF, S-4/A, N-14 8C/A, F-4/A, F-10/A, SF-1MEF, SF-3MEF, N-2MEF, S-3MEF, F-3MEF, F-1MEF, F-4MEF, N-14MEF, S-1MEF, S-4MEF, S-11MEF, 424B1, 424B2, 424B3, 424B4, 424B5, 424B7, 424B8, 424H, 424H/A , S-8

Submission Type		Validation*
FFD Element		
1 ffd:Rule429EarlierFileNb	W, DB	Validate that it has the following (Securities Act) File Number prefixes: 333, 033, or 002, and that it is not the same file number for offset claims in section 4 table lines.
2 ffd:Rule429EarlierFormTp	W	Must be valid EDGAR form type
3 ffd:Rule429InitlFctvDt	W, D, Future	
4 ffd:Rule429SctyTp	W	Must be a valid EDGAR Security Type for this rule according to Table 5-3 in the submission requirements document.
5 ffd:Rule429SctyTitl	W,T	Must be a valid EDGAR Submission Type
6 ffd:Rule429NbOfUnsoldScties	N ^S , DB	
7 ffd:Rule429AggtOfferingAmt	N ^P	
8 ffd:Rule429PrspctsNote	O, HTML	

In a context with lineNo dimensions:



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W – Required, including any additional validation in adjacent column, (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#\$%&*(). [\]{}|\:\;\;"'<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

D – EDGAR date field validations, expected Value between 1980-01-01 and 2050-12-31 (warning).

N^S – Number range from 0 to 999,999,999,999.

N^P – Number range from 0 to 99,999,999,999,999.99.

DB – Validate with EDGAR Database.

Future – Must not be a future date.

6. Securities, 424I

6.1 Securities, 424I table rule flags

424I table facts are grouped by lineNo dimension into lines. Validations are performed by line (on the facts of the table which have the same lineNo dimension member). Dimensional errors (missing lineNo dimension) are according to applicable XBRL standard.

There are no rule flags for the 424I table.

6.2 424I Table lines

The following validations are provided for lines of submission type 424I

FFD Element	Submission Type	Validation*
1 ffd:OfferingSctyTitl	W, T	
2 ffd:AggtSalesPricFsclyr	W, N ^P	



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Submission Type	Validation*
FFD Element	
3 ffd:AggtRedRpPricFscIYr	W, N ^P
4 ffd:AggtRedRpPricPrrFscIYr	W, N ^P
5 ffd:NetSalesAmt	W, N ^P Required when ffd:AggtSalesPricFscIYr < ffd:AggtRedRpPricFscIYr + ffd:AggtRedRpPricPrrFscIYr, else when ffd:AggtSalesPricFscIYr > ffd:AggtRedRpPricFscIYr + ffd:AggtRedRpPricPrrFscIYr then ffd:NetSalesAmt = ffd:AggtSalesPricFscIYr - ffd:AggtRedRpPricFscIYr - ffd:AggtRedRpPricPrrFscIYr
6 ffd:AmtRedCdts	W, N ^{SP} When ffd:AggtSalesPricFscIYr < ffd:AggtRedRpPricFscIYr + ffd:AggtRedRpPricPrrFscIYr then ffd:AmtRedCdts = ffd:AggtSalesPricFscIYr - ffd:AggtRedRpPricFscIYr - ffd:AggtRedRpPricPrrFscIYr
7 ffd:FeeRate	W, Fee ^{DAY}
8 ffd:FeeAmt	W, N ^P
9 ffd:FeeNote	O, HTML

In a context with lineNo dimensions:

W – Required, including any additional validation in adjacent column, (warning).

T – EDGAR text field validations, regex: [0-9A-Za-z`~!@#\$%&*(). [\]\{\}|\:\;\;"'<>,_?/=\\t\\n\\r\\f+-]{1,150} (warning).

HTML – HTML encoded text block (^ and non-ASCII must also be &#-encoded).

D – EDGAR date field validations, expected Value between 1980-01-01 and 2050-12-31 (warning).

N^S – Number range from 0 to 999,999,999,999.

N^P – Number range from 0 to 99,999,999,999.99.

N^{SP} – Number range from -9,999,999,999,999.99 to 0.

DB – Validate with EDGAR Database.

Fee^{DAY} – Must match the fee rate of the day submitted.

Future – Must not be a future date.

6.3 424I Entries in the Submission Table

Certain 424I FFD elements apply to the Submission Table (instead of the breakdown lines of the 424I Table of this section). Those elements are shown above in Section 1, Submission Table.