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***Near Real time Supplemental PCF MRO File Layout (AutoRoute 02262335 / PSE 02982335)***

<b>Type 1 - Header Record</b>					
	<b>Description</b>	<b>Length</b>	<b>Start</b>	<b>Type</b>	<b>Comments</b>
1	Record Type	2	1	A/N	01 = Header Record - one per file
2	File Description	25	3	A/N	"Portfolio Composition"
3	NSCC Member Number	8	28	N	NSCC Member Number – Right justified with leading zeroes.
4	File Identifier	8	36	A/N	Unique File Number. The first byte will identify whether the input file was from the Primary (P) or Supplemental (S) process. Examples: S0000001, P0000001, etc.
5	NSCC Processing Date	8	44	N	CCYYMMDD
6	NSCC Processing Time	6	52	N	HHMMSS
7	Future Use	343	58		

***END OF RECORD***



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Type 2 - Portfolio Header Record – Record Length = 400					
	Description	Length	Start	Type	Comments
1	Record Type	2	1	A/N	02= Record Type 2 (one per Portfolio)
2	ETF Trading Cusip	9	3	A/N	S&P Assigned
3	ETF Trading ISIN	12	12	A/N	
4	NSCC Portfolio ID	9	24	A/N	NSCC assigned Portfolio ID of the basket
5	ETF Description	60	33	A/N	From NSCC Security Master if found, otherwise ETF Agent supplied description is used
6	Portfolio Trade Date	8	93	N	CCYYMMDD
7	ETF Agent	8	101	N	NSCC Member Number
8	Component Count	8	109	N	99,999,999
9	Estimated T-1 Cash Amount Per Creation Unit	14	117	N	999,999,999,999.99
10	Sign field for Estimated T-1 Cash Amount Per Creation Unit	1	131	A/N	"-" indicates negative value Space = Positive Value
11	Net Asset Value Per Creation Unit	17	132	N	999,999,999,999.99999
12	Sign field for Net Asset Value Per Creation Unit	1	149	A/N	"-" indicates negative value Space = Positive Value
13	Estimated T-1 Cash Amount Per ETF	14	150	N	999,999,999,999.99
14	Sign field for Estimated T-1 Cash Amount Per ETF	1	164	A/N	"-" indicates negative value Space = Positive Value
15	Net Asset Value Per ETF	17	165	N	999,999,999,999.99999
16	Sign field for Net Asset Value Per ETF	1	182	A/N	"-" indicates negative value Space = Positive Value
17	Total Cash Amount Per Creation Unit	14	183	N	999,999,999,999.99
18	Sign field for Total Cash Amount Per Creation Unit	1	197	A/N	"-" indicates negative value Space = Positive Value



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	Description	Length	Start	Type	Comments
19	Total Shares Outstanding Per ETF on T-1	12	198	N	999,999,999,999
20	Dividend Amount Per ETF on T-1	14	210	N	999,999,999,999.99
21	Sign field for Dividend Amount Per ETF on T-1	1	224	A/N	"-" indicates negative value Space = Positive Value
22	Estimated Value of cash-in-lieu Components per Creation Unit	14	225	N	999,999,999,999.99
23	Cash Only Indicator	1	239	A/N	"Y" = Cash Only (create/redeem with Cash Only) Space = No restrictions (any combination of cash or securities)
24	ETF Expense Ratio on T-1	3	240	N	Expressed in Basis Points
25	Total Asset Value of ETF Fund on T-1	17	243	N	999,999,999,999.99999
26	ETF Shares Per Create/Redeem Units	9	260	N	999,999,999 - from NSCC Security Master Database
27	ETF Symbol	15	269	A/N	from NSCC Security Master Database
28	CNS Eligibility Indicator	1	284	A/N	from NSCC Security Master Database
29	ETF Create Redeem Identifier	1	285	A/N	Y - Basket can be created or redeemed N- Basket cannot be created or redeemed
30	Prior Day's Portfolio being used	1	286	A/N	space - Today's portfolio being used Y - Prior day's portfolio being used
31	Custom or Standard	1	287	A/N	C = Custom S = Standard
32	Foreign or Domestic	1	288	A/N	D = Domestic F = Foreign
33	NSCC New Portfolio	1	289	A/N	Y = New portfolio Space = Existing Portfolio
34	ETF Classification Code	6	290	A/N	
35	Future Use	105	296		



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Type 3 - Detail Component Record – Record Length = 400					
	Description	Length	Start	Type	Comments
1	Record Type	2	1	A/N	03 = Record Type 3
2	ETF Trading CUSIP	9	3	A/N	S&P Assigned
3	ETF Trading ISIN	12	12	A/N	
4	NSCC Portfolio ID	9	24	A/N	NSCC assigned Portfolio ID of the basket
5	Portfolio Trade Date	8	33	N	CCYYMMDD
6	Component ID Code	2	41	A/N	01=CUSIP 02=SEDOL 03=ISIN 04=ISIN/SEDOL 05=Bloomberg 06 - Reuters 07 - NYSE Life 99=Other
7	Component ID	25	43	A/N	This is defined by the value in Component ID Code field
	o CUSIP Number	9	43	A/N	Identifies Domestic component
	o SEDOL	7	43	A/N	Official SEDOL number
	o ISIN/SEDOL	19	43	A/N	Combination ISIN/ SEDOL Number <b>Recommended for non-US domiciled securities</b>
	- ISIN Number	12	43	A/N	
	- SEDOL Number	7	55	A/N	
	o All other types	25	43	A/N	Free form field identifying other type of asset class
8	Component Quantity	13	68	N	Number of shares of this stock per creation unit
9	Sign Field for Component Quantity	1	81	A/N	"-" indicates negative value (short position) space = positive ** Note: if any component is short, then it can only be created/redeemed for cash.
10	New Security Indicator	1	82	A/N	N = New component in Portfolio as per ETF Agent Space = not new



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	Description	Length	Start	Type	Comments
11	Cash In Lieu Indicator	1	83	A/N	Y= ETF agent provided indicator for component to be substituted for cash in a create/redeem; X= NSCC applied indicator for component to be substituted for cash in a create and redeem (per below mentioned rules) space = No substitution ----- Note: CIL is set to X if one of the following is met: - Component is not eligible in NSCC Security Master Database - Portfolio is a cash only portfolio.
12	Component Symbol	15	84	A/N	Trading Symbol of Component
13	Component WI Indicator	1	99		WI indicator of Domestic Component
14	Component undergoing corporate action	1	100	A/N	Space = No corporate action M = Mandatory Corporate Action V = Voluntary Corporate Action
15	Component NSCC eligibility indicator	1	101	A/N	Y = NSCC eligible N = Not NSCC eligible
16	Component CNS Indicator	1	102	A/N	Y = CNS eligible N = Not CNS eligible
17	External Settlement Date	8	103	N	ETF Agent provided settlement date for non-DTC settling components
18	Component Description	60	111	A/N	Override input if found in NSCC Security Master Database
19	Future Use	230	171		



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<b>Type 99 - Trailer Record</b>					
	<b>Description</b>	<b>Length</b>	<b>Start</b>	<b>Type</b>	<b>Comments</b>
1	Record Type	2	1	A/N	99 = Trailer Record – one per file
2	Processing Date	8	3	N	CCYYMMDD
3	Primary Transmission or Supplement	1	11	A/N	P = Primary Transmission S = Supplemental Transmission
4	Record Count	13	12	N	Number of records in transmission (including trailer)
5	Future Use	376	25	A/N	Spaces
<b>END OF RECORD</b>					