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EXCHANGE TRADED FUNDS (ETF)

**ENHANCED CONSOLIDATED PORTFOLIO RECEIPT REJECT MRO:
AUTOROUTE PRODUCTION 02261255/PSE 02981255**

VERSION 1.0

SEPTEMBER 26, 2018



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Doc Info: September 26, 2018

Publication Code: ETF129

Service: Exchange Traded Fund (ETF)

Title: Enhanced Consolidated Portfolio Receipt Reject MRO: AutoRoute Production 02261255/PSE 02981255

Record Layout: Enhanced Consolidated Portfolio Receipt Reject MRO: AutoRoute Production 02261255/PSE 02981255

The following tables show the record layouts for the Enhanced Consolidated Portfolio Receipt Reject MRO report for AutoRoute 02261255:

Type 1 – Header Record					
Record Length = 150					
	Description	Length	Start	Type	Comments
1	Record Type	2	1	A/N	01 = Header Record. One per file.
2	File Description	25	3	A/N	Portfolio Receipt Report.
3	ETF Agent	8	28	A/N	NSCC Member Number.
4	File Identifier	8	36	A/N	Input File Number.
5	Submission Type	1	44	A/N	P = Primary Submission. S = Supplemental Submission.
6	NSCC Processing Date	8	45	N	CCYYMMDD
7	NSCC Processing Time	6	53	N	HHMMSS
8	Portfolio Trade Date	8	59	N	CCYYMMDD
9	Message Code	3	67	N	See Message Codes and Descriptions .
10	Future Use	81	70	A/N	
End of Record					

Type 2 – Portfolio Record Status					
Record Length = 150					
	Description	Length	Start	Type	Comments
1	Record Type	2	1	A/N	02 = Portfolio Record Status. One per portfolio.
2	ETF Trading CUSIP	9	3	A/N	S&P Assigned Trading CUSIP of the basket.
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 Status	1	33	A/N	Space = Portfolio Accepted. R = Portfolio Rejected. W = Portfolio Warned. C = Portfolio Carried forward from prior night. I = Portfolio Informational Message. Note: All the components will be rejected if the Record Type 2 'Portfolio Header Record' is missing.
6	Message Code-01	3	34	N	See Message Codes and Descriptions. Note: Up to five Reject, Warning, and Informational messages will be reported. All reject messages will be populated first, followed by warnings and then informational messages.
7	Message Code-02	3	37	N	See Message Codes and Descriptions .
8	Message Code-03	3	40	N	See Message Codes and Descriptions .
9	Message Code-04	3	43	N	See Message Codes and Descriptions .
10	Message Code-05	3	46	N	See Message Codes and Descriptions .
11	Portfolio Version Number	2	49	N	Zero - if portfolio was rejected. 01 - 99 - current accepted version.
12	Future Use	100	51	A/N	
End of Record					

Type 3 – Component Record Status					
Record Length = 150					
	Description	Length	Start	Type	Comments
1	Record Type	2	1	A/N	03 = Component Record Status. One per component within a portfolio. Note: If a portfolio is rejected, all the components associated with the portfolio will be reported with the portfolio error code.
2	ETF Trading CUSIP	9	3	A/N	S&P Assigned Trading CUSIP of the basket.
3	ETF Trading ISIN	12	12	A/N	
4	NSCC Portfolio ID	9	24	A/N	NSCC assigned Portfolio ID of the basket.
5	Component ID Code	2	33	A/N	Identifies type of Component ID.
6	Component ID	25	35	A/N	Component Identifier.
7	Component Status	1	60	A/N	Space = Component Accepted. W = Component Warned. R = Component Rejected. I = Component Informational Message.
8	Message Code-01	3	61	N	Note: Up to five Reject, Warning, and Informational messages will be reported. All reject messages will be populated first, followed by warnings and then informational messages. See Message Codes and Descriptions .
9	Message Code-02	3	64	N	See Message Codes and Descriptions .
10	Message Code-03	3	67	N	See Message Codes and Descriptions .
11	Message Code-04	3	70	N	See Message Codes and Descriptions .
12	Message Code-05	3	73	N	See Message Codes and Descriptions .
13	Future Use	75	76		
End of Record					

Type 4 – Custom Record Status**Record Length = 150**

	Description	Length	Start	Type	Comments
1	Record Type	2	1	A/N	04 = Custom Record Status One per custom instruction within a portfolio. Note: If a portfolio is rejected, all the custom instructions associated with the portfolio will be reported with the portfolio error code.
2	ETF Trading CUSIP	9	3	A/N	S&P Assigned Trading CUSIP of the basket.
3	ETF Trading ISIN	12	12	A/N	
4	NSCC Portfolio ID	9	24	A/N	NSCC assigned Portfolio ID of the basket.
5	Custom Sequence ID	3	33	N	Sequence number assigned to custom record.
6	Custom Assignee	8	36	A/N	ETF Agent Input.
7	Message Code	4	44	N	See Message Codes and Descriptions .
8	Future Use	103	48	A/N	
End of Record					

Type 99 – Trailer Record					
Record Length = 150					
	Description	Length	Start	Type	Comments
1	Record Type	2	1	A/N	99 = Trailer Record. One per file.
2	Final Transmission Indicator	1	3	A/N	Space = Final Transmission not being reported.
3	Record Count Received	13	4	N	Number of records in transmission (including trailer) reported by Trustee. Values are pre-pended with zeroes.
4	Record Count Processed	13	17	N	Number of records in transmission (including trailer) processed by NSCC. Values are pre-pended with zeroes.
5	Balance Indicator	1	30	A/N	Y = In Balance (Record count received = record count processed). N = Out of Balance.
6	Message Code	4	32	N	See Message Codes and Descriptions .
7	Future Use	115	36	A/N	Spaces.
End of Record					

Message Codes and Descriptions

The following table shows the message codes and descriptions:

Message Type: Reject = R Warning = W Informational = I	Message Code	Message Description
R	101	The ETF Agent specified on the header record (record type 1) was not found on the entity master file.
W	135	Duplicate File Header (record type 1) submitted. Second submission header will be discarded.
W	136	Invalid Processing date or if processing date is not current date.
W	137	The processing date on the header record (record type 1) does not match the expected processing date. During primary cycle this is the current date and during the supplemental cycle it is the previous business date.
W	138	Records that were found before the header record (record type 1) were not processed.
I	170	No Carry Forward Portfolio. The agent does not have any portfolios that were carried forward today.
R	201	Invalid NSCC Portfolio ID; Portfolio ID is not on NSCC Master file.
R	202	Associated Trading CUSIP not valid (not on NSCC Master file).
R	203	ETF Agent number on record type 2 does not match header record (record type 1).
R	204	ETF Agent is not the agent for the portfolio.
R	225	Invalid Cash Only Indicator (any other input besides 'Y' or space).
R	226	No components submitted for non-cash portfolio.
R	227	No components accepted for non-cash portfolio.
R	228	Weighted shares =0 for all components in a non-cash portfolio.
R	230	A duplicate portfolio header record (record type 1) was submitted. The second header record was rejected.
R	233	The do not publish Indicator is set on the master file for the portfolio.
W	236	Invalid Component Count (record type 2, field 4).

Message Type: Reject = R Warning = W Informational = I	Message Code	Message Description
W	237	Component Count (record type 2, field 4) does not equal component count received by NSCC.
W	238	Component Count set to number of components accepted by NSCC. This occurs when NSCC rejected some components. NSCC will change the component count to the number of components that were accepted.
W	241	Prior day's portfolio being used.
R	244	The portfolio ID is not active.
I	270	Estimated T-1 Cash Amount per Creation Unit not numeric (record type 2, field 5).
I	271	Estimated Cash Value of cash-in-lieu components not numeric (record type 2, field 18).
I	272	Net Asset Value per Creation Unit not numeric (record type 2, field 7).
I	273	Estimated T-1 Cash Amount per ETF not numeric (record type 2, field 9).
I	274	Net Asset Value per ETF not numeric (record type 2, field 11).
I	275	Total Cash Amount per Creation unit not numeric (record type 2, field 13).
I	276	Total Shares outstanding per ETF on T-1 not numeric (record type 2, field 15).
I	277	Dividend amount per ETF on T-1 not numeric (record type 2, field 16).
I	278	ETF Expense Ratio on T-1 not numeric (record type 2, field 20).
I	279	Total Net Asset Value of ETF Fund on T-1 not numeric (record type 2, field 21).
R	297	The file header record (record type 1) is invalid.
R	298	The file was received too late.
R	300	Portfolio Header Record (record 2) not found for the portfolio associated with the Component Record (Record 3).
R	302	Invalid Component ID Code (record type 3, field 3).
R	304	No component ID code submitted (blank) (record type 3, field 3).
R	305	Component quantity is not numeric (record type 3, field 5).

Message Type: Reject = R Warning = W Informational = I	Message Code	Message Description
R	311	The component ID has an invalid length or alignment (record type 3, field 4).
R	312	The component ID is not Alphanumeric (record type 3, field 4).
W	336	External Settlement Date is prior to Trade Date (record type 3, field 7).
W	337	Invalid value for Cash in lieu indicator, indicator is set to space (record type 3, field 9).
W	338	Cash in lieu indicator applied by NSCC (set to X) on one or more components.
W	339	CIL Indicator applied by NSCC/ set to X for CUSIP component not on NSCC Master file.
W	340	CIL Indicator set to X for ISIN component not on NSCC Master file.
W	341	Invalid External Settlement Date (record type 3, field 7).
W	344	CIL Indicator is applied by NSCC/ set to X for short position component.
W	345	The component ID is no longer valid. It has been deleted from the master table.
I	371	Invalid sign for Component Quantity - set to space (record type 3, field 5).
I	373	Invalid new security indicator- set to space (record type 3, field 8).
R	400	Custom record (record type 4) received for standard portfolio.
R	401	Custom record (record type 4) missing for custom portfolio.
R	411	The ETF agent does not have any relationships set up and submitted LIST in the distribution record (record type 4).
R	412	There were no valid distribution records (record type 4) found. The distribution records submitted were rejected.
R	413	The portfolio ID specified on the distribution record (record type 4) does not match the portfolio ID specified on the portfolio record (record type 2).
R	434	Unknown assignee (recipient of custom portfolio) on custom record (record type 4, field 3).
R	436	Assignee 'ALL' not valid at this time (record type 4, field 3).
W	437	There were one or more invalid distribution records (record type 4) submitted.

Message Type: Reject = R Warning = W Informational = I	Message Code	Message Description
W	935	No Trailer Record found (record type 99).
W	937	Record count not numeric (record type 99, field 3).
W	939	Additional records found after the trailer record.
R	998	PCF file was received too late and was rejected.
R	999	Unknown Record Type was submitted.

FOR MORE INFORMATION

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