

PERSHING STANDARD FILE LAYOUTS

APPENDIX S: TRADE-RELATED, MARKET and EXCHANGE CODES

USED IN THE FOLLOWING STANDARD FILES: GACT, GSDE/GTDE, GTOE, ISCA, OELG, & RDM1/RDM2, SETD/SETF

This appendix contains the following information:

- Market Mnemonic Codes (pages 2-3)
- Account Type Indicators for Blue Sheet Reporting (page 4)
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PERSHING STANDARD FILE LAYOUTS

MARKET MNEMONIC CODES

CODE	DESCRIPTION
 	(spaces) Not Applicable
AMEX	American Stock Exchange®
ARCA	NYSE® ARCA (Archipelago) Exchange
BATS	BATS Exchange
BOX	Boston Options Exchange
BSE	Boston Stock Exchange
BYX	BATS BYX-Exchange
C2OX	C2 Options Exchange
CBOE	Chicago Board Options Exchange
CHX	Chicago Stock Exchange
EDGA	Direct Edge Exchange
EDGX	Direct Edge Exchange
EMLD	MIAX Emerald Option Exchange
ISE	International Securities Exchange (Equities and Options)
LSE	London
LTSE	Long Term Stock Exchange
MIAX	Miami Exchange
MX	Montreal
NADF	Financial Industry Regulatory Authority (FINRA™) Alternative Display Function (ADF)
NDAQ	NASDAQ® Exchange
NQBX	NASDAQ® BX
NQPX	NASDAQ® OMX PSX
NSX	National Stock Exchange
NYSE	New York Stock Exchange
OTC	OTC/Non SUMO ACT Eligible (PINKS, Bulletin, etc.), FINRA™
OTCX	OTC/NON NSCC/NON ACT
OTH	Other
PHLX	Philadelphia Stock Exchange
TSE	Tokyo Exchange
TSX	Toronto Exchange
TVE	TSX Venture Exchange

PERSHING STANDARD FILE LAYOUTS

ACCOUNT TYPE INDICATORS for BLUE SHEET REPORTING

FOR EQUITY TRADES:

CODE	DESCRIPTION
A	Non-program trading, agency
P	Non-program trading, member/member organization, or an unaffiliated member/member organization proprietary account (Principal)
Q	Indicates a proprietary trade by a member on the floor relating to the member's own error. All trades to cover error positions in the member's error account must be identified with this account type
R	Member acting as agent for competing market maker account of a non-member broker/dealer (Riskless)

FOR OPTION TRADES:

CODE	DESCRIPTION
B	Customer range account of a Broker/Dealer
C	Non-program trading, agency
F	Non-program trading, proprietary
J	Joint back office
S	Specialist
M	Market maker
N	Non-member market maker/specialist account
W	Professional customer
Y	Stock specialist – assignment

PERSHING STANDARD FILE LAYOUTS

SETTLEMENT LOCATION CODES

CODE	DESCRIPTION
AD	Andorra
AE	United Arab Emirates
AF	Afghanistan
AG	Antigua and Barbuda
AI	Anguilla
AL	Albania
AM	Armenia
AN	Antilles
AO	Angola
AO	Angola
AQ	Antarctica
AR	Argentina
AS	American Samoa
AT	Austria
AU	Australia
AW	Aruba
AZ	Azerbaijan
BA	Bosnia/Herzegovina
BB	Barbados
BD	Bangladesh
BE	Belgium
BE	Belgium
BG	Bulgaria
BH	Bahrain
BI	Burundi
BJ	Benin
BM	Bermuda
BN	Brunei
BO	Bolivia
BR	Brazil
BS	Bahamas
BT	Bhutan
BV	Bouvet Island
BW	Botswana
BY	Belarus
BZ	Belize
CA	Canada
CC	Cocos (Keeling) Island

CODE	DESCRIPTION
CD	Congo, Democratic Republic of
CF	Central African Republic
CG	Congo
CH	Switzerland
CI	Ivory Coast
CK	Cook Island
CL	Chile
CM	Cameroon
CN	China
CO	Colombia
CR	Costa Rica
CU	Cuba
CV	Cape Verde
CX	Christmas Island
CY	Cyprus
CZ	Czech Republic
DE	Germany
DJ	Djibouti
DK	Denmark
DM	Dominica
DO	Dominican Republic
DT	DTC
DZ	Algeria
EC	Ecuador
EE	Estonia
EG	Egypt
EH	Western Shara
ER	Eriterea
ES	Spain
ET	Ethiopia
EU	Euroclear
FI	Finland
FJ	Fiji
FK	Falkland Islands (Malvinas)
FM	Micronesia
FO	Faroe Islands
FR	France
GA	Gabon

PERSHING STANDARD FILE LAYOUTS

CODE	DESCRIPTION
GB	United Kingdom
GD	Grenada
GE	Georgia
GF	French Guiana
GG	Guernsey Channel Islands
GH	Ghana
GI	Gibraltar
GL	Greenland
GM	Gambia
GN	Guinea
GP	Guadeloupe
GQ	Equatorial Guinea
GR	Greece
GS	South Georgia/ So. Sandwich Islands
GT	Guatemala
GU	Guam
GW	Guinea-Bissau
GY	Guyana
HK	Hong Kong
HM	Heard and McDonald Islands
HN	Honduras
HR	Croatia
HT	Haiti
HU	Hungary
ID	Indonesia
IE	Ireland
IE	Ireland
IL	Israel
IL	Israel
IM	Isle of Man
IN	India
IO	British Indian Ocean Territory
IQ	Iraq
IR	Iran
IS	Iceland
IT	Italy
JM	Jamaica
JO	Jordan
JP	Japan
KE	Kenya
KG	Kyrgyzstan

CODE	DESCRIPTION
KH	Cambodia
KI	Kiribati
KK	Kazalchstan
KM	Comoros
KN	Saint Kitts and Nevis
KP	Korea-North
KR	Korea
KW	Kuwait
KY	Cayman Islands
KZ	Kazakhstan
LA	Laos
LB	Lebanon
LC	Saint Lucia
LI	Liechtenstein
LK	Sri Lanka
LR	Liberia
LS	Lesotho
LT	Lithuania
LU	Luxembourg
LV	Latvia
LY	Libya
MA	Morocco
MC	Monaco
MD	Moldova
ME	Montenegro
MG	Madagascar
MH	Marshall Island
MK	Macedonia
ML	Mali
MM	Myanmar
MN	Mongolia
MO	Macau
MP	Northern Mariana Islands
MQ	Martinique
MR	Mauritania
MS	Montserrat
MT	Malta
MU	Mauritius
MV	Maldives
MW	Malawi
MX	Mexico

PERSHING STANDARD FILE LAYOUTS

CODE	DESCRIPTION
MY	Malaysia
MZ	Mozambique
NA	Namibia
NE	Niger
NF	Norfolk Island
NG	Nigeria
NI	Nicaragua
NL	Netherlands
NO	Norway
NP	Nepal
NR	Nauru
NU	Niue
NZ	New Zealand
OM	Oman
PA	Panama
PA	Panama
PE	Peru
PE	Peru
PF	French Polynesia
PG	Papua New Guinea
PH	Philippines
PK	Pakistan
PL	Poland
PM	St. Pierre and Miquelon
PN	Pitcairn
PR	Puerto Rico
PS	Palestinian Territory, occupied
PT	Portugal
PW	Palau
PY	Paraguay
PZ	Panama Canal Zone
QA	Qatar
RE	Reunion
RO	Romania
RS	Serbia
RU	Russia
RW	Rwanda
SA	Saudi Arabia
SB	Solomon Islands
SC	Seychelles
SD	Sudan

CODE	DESCRIPTION
SE	Sweden
SG	Singapore
SH	St. Helena
SH	Uganda
SI	Slovenia
SJ	Svalbard and Jan Mayen
SK	Slovakia
SL	Sierra Leone
SM	San Marino
SN	Senegal
SO	Somalia
SR	Suriname
ST	Sao Tome and Principe
SU	USSR
SV	El Salvador
SY	Syria
SZ	Swaziland
TC	Turks and Caicos
TD	Chad
TF	French Southern Territory
TG	Togo
TH	Thailand
TJ	Tajikistan
TK	Tokelau
TM	Turkmenistan
TN	Tunisia
TO	Tonga
TP	East Timor
TR	Turkey
TT	Trinidad/Tobago
TV	Tuvalu
TW	Taiwan
TZ	Tanzania
UA	Ukraine
UM	United States Minor Outlying Islands
US	United States
UY	Uruguay
UZ	Uzbekistan
VA	Vatican City State
VC	St. Vincent and the Grenadines
VE	Venezuela

PERSHING STANDARD FILE LAYOUTS

CODE	DESCRIPTION
VG	Virgin Islands, British
VI	Virgin Islands, United States
VN	Vietnam
VU	Vanuatu
WF	Wallis and Futuna
WS	Samoa

CODE	DESCRIPTION
YE	Yemen
YT	Mayotte
YU	Yugoslavia
ZA	South Africa
ZM	Zambia
ZW	Zimbabwe

PERSHING STANDARD FILE LAYOUTS

INTERNATIONAL EXCHANGE CODES

CODE	DESCRIPTION
ABJ	Bourse des Valeurs Abidjan
ACE	Amsterdam Commodity Exchange
ADE	Athens Derivates Exchange SA (ADEX), The
AEX	Agricultural Futures Exchange
AMEX	American Stock Exchange
AMM	Amman Stock Exchange
AMS	Amsterdam Stock Exchange
API	Asia-Pacific Interbank Currency Exchange, JOI
ASX	Australian Stock Exchange
ATH	Athens Stock Exchange
AUK	New Zealand Stock Exchange – Auckland
AVB	CMB, Agencia de Valores y Bolsa
AZE	Baku Stock Exchange
BAH	Bahrain Stock Exchange
BAN	Bangalore Stock Exchange Ltd.
BAR	Barcelona Stock Exchange
BAV	Merchbolsa Agencia de Valores, SA
BCE	Budapest Commodity Exchange
BCN	Sociedad Rectora de la Bolsa de Valores de Barcelo
BDA	Bermuda Stock Exchange Ltd., The
BER	Berliner Wertpapierboerse
BEY	Bourse de Beyrouth
BIL	Bolsa de Valores de Bilbao
BKK	Stock Exchange of Thailand
BMF	Bolsa de Mercadorias e Futuros – BM E F
BNV	Bolsa Nacional de Valores, SA
BOG	Bolsa de Bogota SA
BOM	Bombay Stock Exchange
BOR	Bordeaux Stock Exchange
BOT	Botswana Share Market
BPR	Deutsche Boerse (Box-Product)
BRA	Bratislava Stock Exchange, The
BRE	Bremer Wertpapierboerse
BRN	Berne Stock Exchange

CODE	DESCRIPTION
BSE	Boston Stock Exchange
BSL	Basle Stock Exchange (merged into Swiss Exchange)
BSP	Bolsa de Valores de Sao Paulo
BUD	Budapest Stock Exchange
BUE	Buenos Aires Stock Exchange
BUKR	Bucharest Stock Exchange
BUL	First Bulgarian Stock Exchange
CAI	Cairo Stock Exchange
CAL	Calcutta Stock Exchange
CAR	Caracas Stock Exchange
CAS	Casablanca Stock Exchange
CBOE	Chicago Board Options Exchange
CBT	Chicago Board of Trade
CCE	Chubu Commodity Exchange
CEC	Commodity Exchange
CEL	Commodity Exchange of Ljubljana
CET	Commodities Exchange Center (Division of New York)
CFE	Cantor Financial Futures Exchange
CFV	Camara de Compensacion de Opciones y Futuros de
CHI	Chicago Stock Exchange, Inc.
CIN	Cincinnati Stock Exchange
CME	Chicago Mercantile Exchange
CMO	Commodity and Monetary Exchange of Malaysia
COL	Colombo Stock Exchange
COR	Coredeal
CPH	OMX Nordic Exchange
CRC	Chicago Rice and Cotton Exchange
CSC	New York Cocoa, Coffee and Sugar Exchange
CSE	Copenhagen Stock Exchange
CUE	Currency Exchange
CVM	Interbolsa, Soc. Gestora de Sistemas de Liquidaca
CYS	Cyprus Stock Exchange Institution
DES	Delphi Stock Exchange

PERSHING STANDARD FILE LAYOUTS

CODE	DESCRIPTION
DHA	Dhaka Stock Exchange Ltd.
DMI	Italian Derivatives Market (IDEM)
DUB	Irish Stock Exchange
DUS	Rheinische-Westfaelische Boerse zu Duesseldorf
DWZ	Deutsche Boerse AG, Frankfurt am Main
EAM	Euronext Amsterdam
EAS	EASDAQ SA
EBR	Euronext Brussels
EEE	European Energy Exchange AG
EMD	Mercado Mexicano de Derivados
EPA	Euronext Paris
ETR	Deutscher Kassenverein AG Gruppe Deutsche Boerse
EUB	EUREX Bonds
EUC	Euronext COM, Commodities Futures and Options
EUE	Euronext EQF, Equities and Indices Derivatives
EUI	Euronext IRF, Interest Rate Future and Options
EUM	Euronext MONEP
EUN	Euronext Paris
EUR	EUREX Deutschland
FIR	Borsa Valori di Firenze (Stock Exchange)
FKA	Fukuoka Stock Exchange
FMN	Societe du Nouveau Marche
FNX	FINEX
FOM	Finnish Options Market
FRA	Frankfurter Wertpapierboerse
FTA	Financiele Termijnmarkt Amsterdam
GAL	St. Gallen Stock Exchange
GEN	Borsa Valori de Genova (Stock Exchange)
GHA	Ghana Stock Exchange
GUA	Guayaquil Stock Exchange
GVA	Geneva Stock Exchange (merged into Swiss Exchange)
HAM	Hanseatische Wertpapierboerse Hamburg
HAN	Niedersaechsische Boerse zu

CODE	DESCRIPTION
	Hannover
HCE	Warenerterminboerse Hannover
HEL	The Helsinki Stock Exchange
HIR	Hiroshima Stock Exchange
HKF	Hong Kong Futures Exchange Ltd.
HKG	Stock Exchange of Hong Kong Ltd., The
IAN	Christiania Bank
IBE	Baku Interbank Currency Exchange
IBR	IBIS-R
ICE	Iceland Stock Exchange
IFO	Irish Futures and Options Exchange (Dublin)
IME	Taiwan International Mercantile Exchange
IMM	International Monetary Market
IOM	Index and Options Market
IPE	International Petroleum Exchange
ISM	I.S.M.A. – The International Securities Markets as
IST	I.M.K.B. (Istanbul Stock Exchange)
ISX	Italian Stock Exchange
JAM	Jamaica Stock Exchange, The
JKT	Jakarta Stock Exchange
JNB	Jakarta Negotiated Board
JSE	Johannesburg Stock Exchange, The
JWY	Jiway Exchange Ltd.
KAC	Kansai Agricultural Commodities Exchange
KAR	Karachi Stock Exchange (Guarantee) Limited, The
KAZ	Central Asian Stock Exchange
KBT	Kansas City Board of Trade
KCE	Khorezm Interregion Commodity Exchange
KFE	Korea Futures Exchange
KGK	Kobe Gomu Torihikijo (Rubber Exchange)
KHR	Kharkov Commodity Exchange
KIE	Kiev Universal Exchange
KKT	Kobe Kiito Torihikijo (Raw Silk Exchange)
KOR	Korea Stock Exchange
KSL	Kuala Lumpur Stock Exchange, The

PERSHING STANDARD FILE LAYOUTS

CODE	DESCRIPTION
KST	Kanmon Shohin Torihikijo (Commodity Exchange)
KUW	Kuwait Stock Exchange
KYO	Kyoto Stock Exchange
LAU	Lausanne Stock Exchange
LIC	Lille Commodity Exchange
LIF	London International Financial Futures and Options
LIL	Lille Stock Exchange
LIM	Cavali ICLV S.A.
LIT	National Stock Exchange of Lithuania
LJU	Ljubljana Stock Exchange, Inc.
LME	London Metal Exchange
LOF	Kuala Lumpur Options and Financial Futures Exchange
LON	London Stock Exchange
LSS	London Stock Exchange
LTO	London Trade Options Market
LUS	Lusaka Stock Exchange
LUX	Luxembourg Stock Exchange
LYO	Lyon Stock Exchange
MAC	Mid America Commodity Exchange
MACE	Macedonian Stock Exchange
MAD	Bolsa de Madrid
MAL	Malta Stock Exchange
MALA	Malawi Stock Exchange
MAR	Marseille Stock Exchange
MAU	The Stock Exchange of Mauritius Ltd.
MBE	Bolsa de Madrid
MCE	Mercato Continuo Espanol
MCI	Mercato Continuo Italiano
MDG	Marche Interbancaire des Devises M.I.D.
MDS	Madras Stock Exchange
MED	Bolsa de Medellin S.A.
MEF	Meff Renta Fija
MEX	Bolsa Mexicana de Valores (Mexican Stock Exchange)
MGE	Minneapolis Grain Exchange
MIC	Moscow Interbank Currency Exchange (MICEX)

CODE	DESCRIPTION
MIF	Mercato Italiano Futures Exchange
MIL	Borsa Italiana S.P.A.
MKT	Maebashi Kanken Torihikijo (Dried Cocoon Exchange)
MLX	OMLX, The London Securities and Derivatives Exchange
MNT	Bolsa de Valores de Montevideo
MOO	Montreal Exchange, The / Bourse de Montreal
MOS	Moscow Central Stock Exchange
MRV	Meff Renta Variable
MUN	Bayerische Boerse
MUS	Muscat Securities Market
MWSE	Midwest Stock Exchange
NAI	Nairobi Stock Exchange
NAM	Namibian Stock Exchange
NAN	Nantes Stock Exchange
NAP	Borsa Valori di Napoli (Stock Exchange)
NASD	NASDAQ
NAY	Nancy Stock Exchange
NEE	New Zealand Futures and Options Exchange
NEU	Neuchatel Stock Exchange
NEW	NEWEX
NGO	Nagoya Stock Exchange
NII	Niigata Stock Exchange
NKS	Nagoya Kokumotsu Satou Torihikijo (Grain and Sugar)
NMS	NASDAQ/NMS (National Market System)
NSA	Nigerian Stock Exchange, The
NSE	National Stock Exchange of India
NST	Nagoya Seni Torihikijo (Textile Exchange)
NYC	New York Cotton Exchange
NYF	New York Futures Exchange
NYM	New York Mercantile Exchange
NYSE	New York Stock Exchange, Inc.
NZE	New Zealand Stock Exchange
ODE	Odessa Commodity Exchange
OHS	Options-scheine-Handlessystem (OHS)

PERSHING STANDARD FILE LAYOUTS

CODE	DESCRIPTION
OME	OM Stockholm Exchange
OMF	OM Fixed Interest Exchange
OPO	Oporto Stock Exchange
OSE	Osaka Securities Exchange
OSL	Oslo Bors
OSM	Osaka Mercantile Exchange
OST	Osaka Seni Torihikijo (Textile Exchange)
OTC	OTC
OTHR	Other Exchange
PAE	Palestina Stock Exchange
PAL	Borsa Valori di Palermo (Stock Exchange)
PAR	Paris Stock Exchange
PBT	Philadelphia Board of Trade
PET	St. Petersburg Stock Exchange
PHLX	Philadelphia Stock Exchange
PHO	Philadelphia Options Exchange
PHS	Philippine Stock Exchange, Inc.
PIC	Saint-Petersburg Currency Exchange
POR	Portal
PRA	Stock Exchange Prague Co. Ltd., The
PRI	Pridneprovsk Commodity Exchange
PSE	Pacific Stock Exchange Inc.
PTY	Bolsa de Valores de Panama, S.A.
QTX	Boerse Duesseldorf
QUI	Quito Stock Exchange
RAS	RASDAQ
RIO	Bolsa de Valores do Rio de Janeiro
RIS	Riga Stock Exchange, The
ROM	Borsa Valori di Roma (Stock Exch.)
ROS	Bolsa de Comercio Rosario
ROV	Rostov Currency and Stock Exch.
RTR	RTR (Reuters-Realtime-Daten)
RUS	Russian Exchange, The
S	Stock Exchange
SAF	SAFEX (South African Futures Exchange)
SAM	Samara Interbank Currency Exch,
SAP	Sapporo Stock Exchange
SCE	Singapore Commodity Exchange
SEA	SETSQX

CODE	DESCRIPTION
SES	Stock Exchange of Singapore Ltd.
SFA	South African Futures Exchange – Agricultural Mark
SFE	Sydney Futures Exchange Limited
SFX	EUREX Aurich Ag
SGE	Shanghai Futures Exchange
SGO	Santiago Stock Exchange
SHE	Shenzhen Stock Exchange
SHG	Shanghai Stock Exchange
SIB	Siberian Stock Exchange
SIM	Singapore Exchange Derivatives Clearing Limited
SIN	Singapore Exchange
SME	Shenzhen Mercantile Exchange
STE	Stock Exchange, Tashkent
STO	OMX Nordic Exchange
STU	Baden-Wuerttembergische Wertpapierboerse zu Stuttg
STX	Stoxx European Indices
SUR	Surabaya Stock Exchange
SWL	SIX Swiss Exchange Europe
SWX	Swiss Exchange
TAE	Tel Aviv Stock Exchange
TAI	Taiwan Stock Exchange
TAL	Tallinn Stock Exchange
TFE	Toronto Futures Exchange
TFF	Tokyo International Financial Futures Exchange, The
THE	Tehran Stock Exchange
TKA	Toyohashi Kanken Torihikijo (Dried Cocoon Exchange)
TKO	Tokyo Kokumotsu Shonin Torihikijo (Grain Exchange)
TKS	Tokyo Stock Exchange
TKT	Tokyo Kogyoin Torihikijo (Commodity Exchange)
TOE	Toronto Options Exchange
TOR	Borsa Valori di Torino (Stock Exchange)
TRI	Borsa Valori de Trieste (Stock Exchange)
TRN	Trinidad & Tobago Stock Exchange
TSE	Toronto Stock Exchange

PERSHING STANDARD FILE LAYOUTS

CODE	DESCRIPTION
TUN	Bourse des Valeurs Mobilieres
TYO	Tokyo Stock Exchange
UKC	Ukranian Commodity Exchange
UKR	Ukranian Universal Commodity Exchange
UNI	Universal Broker's Exchange 'Tashkent'
URE	Guardian Royal Exchange
VAL	Bolsa de Valencia
VEN	Borsa Valori di Venezia Stock Exch.
VIE	Wiener Boerse
VLA	Vladivostok (Russia) Stock Exchange

CODE	DESCRIPTION
VSE	Vancouver Stock Exchange
VTX	VIRT-X
WAR	Warsaw Stock Exchange
WBO	Wiener Boerse AG
WCE	Winnipeg Commodity Exchange
XETR	XETRA German Electronic SE
YKT	Yokohama Kiito Torihikijo (Raw Silk Exchange)
ZAG	Zagreb Stock Exchange, The
ZIM	Zimbabwe Stock Exchange
ZRH	Zurich Stock Exchange (merged into Swiss Exchange)

PERSHING STANDARD FILE LAYOUTS

CONFIRMATION CODES

The codes that follow are generic to all customers. Each IBD can have their own codes in addition to these.

CODE	DESCRIPTION
AP	Average price transaction.
CE	This is a callable equity security. Please contact your introducing firm for additional information.
ED	A Prospectus is available at http://www.sec.gov/edgar/searchedgar/webusers.htm .
EM	Security-specific information and a copy of the official statement for this investment is available, or will be available by settlement date, at <a href="http://www.emma.msrb.org/cusip/<cusipliteral>">www.emma.msrb.org/cusip/<cusipliteral> . For a physical copy of the official statement, please contact your investment professional. <u>Additional Information that may be available on EMMA:</u> Advance refunding documents * Continuing disclosures, including annual financial statements and notices of material events * Real-time and historical trade data * Interest rates and auction results for municipal auction rate securities * Interest rates for variable rate demand obligations * Daily market statistics and educational material about municipal bonds
ES	Security-specific information and a copy of the official statement for this investment may be available at <a href="http://www.emma.msrb.org/cusip/<cusipliteral>">www.emma.msrb.org/cusip/<cusipliteral> . For a physical copy of the official statement, please contact your investment professional. <u>Additional Information that may be available on EMMA:</u> Advance refunding documents * Continuing disclosures, including annual financial statements and notices of material events * Real-time and historical trade data * Interest rates and auction results for municipal auction rate securities * Interest rates for variable rate demand obligations * Daily market statistics and educational material about municipal bonds
F1	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.farmermac.com/investors/Debt-Securities/ or you may contact your investment professional for printed copies.
F2	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.farmermac.com/investors/MBS/ or you may contact your investment professional for printed copies
F3	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.fhlb-of.com or you may contact your investment professional for printed copies.
F4	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.farmcredit-ffcb.com or you may contact your investment professional for printed copies.
F5	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.freddiemac.com/debt/ or you may contact your investment professional for printed copies. Or you may contact FHLMC via telephone at 1-800-336-3672
F6	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.freddiemac.com/mbs/ or you may contact your investment professional for printed copies. Or you may contact FHLMC via telephone at 1-800-336-3672

PERSHING STANDARD FILE LAYOUTS

CODE	DESCRIPTION
F7	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.fanniemae.com/portal/funding-the-market/debt/index.html or you may contact your investment professional for printed copies.
F8	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.fanniemae.com/portal/funding-the-market/mbs/index.html or you may contact your investment professional for printed copies. Or you may contact FNMA via telephone at 1-800-237-8627
FC	Quantity is shown in the foreign currency, all other information is US denominated.
FT	Foreign Transaction Tax
GD	The quantity of securities being purchased is below the minimum denomination for the issue and that this may adversely affect the liquidity of the position unless the customer has other securities from the issue that can be combined to reach the minimum denomination.
GN	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://ginniemae.gov/doing_business_with_ginniemae/investor_resources/Prospectuses/Pages/remic_prospectuses.aspx or you may contact your investment professional for printed copies.
GR	Sold pursuant to registration statement, prospectus available at www.sec.gov . http://www.sec.gov/Archives/edgar/data/1593812/000121465915001735/0001214659-15-001735-index.htm . A pricing supplement can be found at the link below using the file number provided below the trade details above this message. http://www.sec.gov/cgi-bin/browse-edgar?CIK=0001593812&action=getcompany
MC	Multiple capacity, we acted as both principal and agent. The commission stated is a commission equivalent. Details will be provided upon request.
ME	Material Event(s) Noted
MH	We are a major holder of this security.
NS	No Official Statement is Available for this Security, Contact Your Broker Dealer for Details.
PM	Your broker acted as principal in this transaction and the amount represented in the COMMISSION / COMM EQUIV field is actually a commission equivalent. Please contact your introducing firm for additional details.
PR	We acted as principal. The commission stated is a commission equivalent.
PS	This is a perpetual security and has a final maturity date that is not yet known.
RF	Referral fee paid.
SB	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.sba.gov/ or you may contact your investment professional for printed copies.
SL	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at https://www.salliemae.com/ or you may contact your investment professional for printed copies.
TV	A copy of the Offering Circular and the Annual Financial Statements for this investment are available by searching the CUSIP # at http://www.tva.gov/finance/ or you may contact your investment professional for printed copies.
WD	With due bills.