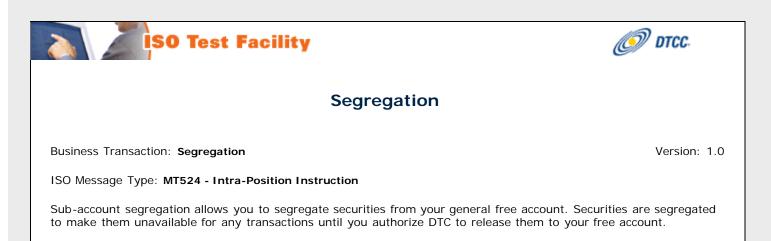
ISO 15022 Message Layouts

Segregation/Segregation **Release/Memo** Segregation/Investment **ID/Investment ID Release Input**



July 2011



Key: \mathbf{M} = Mandatory, O = Optional

Mandatory Sequence A - General Information

M/O	Field Description	Tag	Qualifier(s)	Content Rules
м	Start of Block - General Information	:16R:		GENL
м	Sender's Reference Number Sender's reference number	:20C:	:SEME//	16x
м	Message Function Field that identifies the function of the message	:23G:		NEWM
м	End of Block - General Information	:16S:		GENL

Mandatory Sequence B - Intra-Position Details

М/О	Field Description	Тад	Qualifier(s)	Content Rules
м	Start of Block - Intra-Position Details	:16R:		INPOSDET
0	Participant Number	:95R:	:ACOW/DTCYPART/	00009999 0000 followed by 4 digits. All 4 digits are required.
м	Safekeeper - DTCC Identifies account where financial instruments	:97A:	:SAFE//	DTCC
	are maintained.			
м	Quantity Quantity of financial instrument to be settled expressed as units such as share quantity.	:36B:	:SETT//	UNIT/9999999999, At least 1 whole digit is required. No more than 9 may be present. Fractions are not allowed. A decimal comma is always required.
м	ISIN Identification of the financial Instrument (Country Code, CUSIP and Check Digit)	:35B:		The literal "ISIN" followed by a space followed by the 12 character ISIN. Note- DTC does not accept Non U.S. ISIN Example-ISIN US1234567891. Note-DTC does not accept Non U.S. ISIN

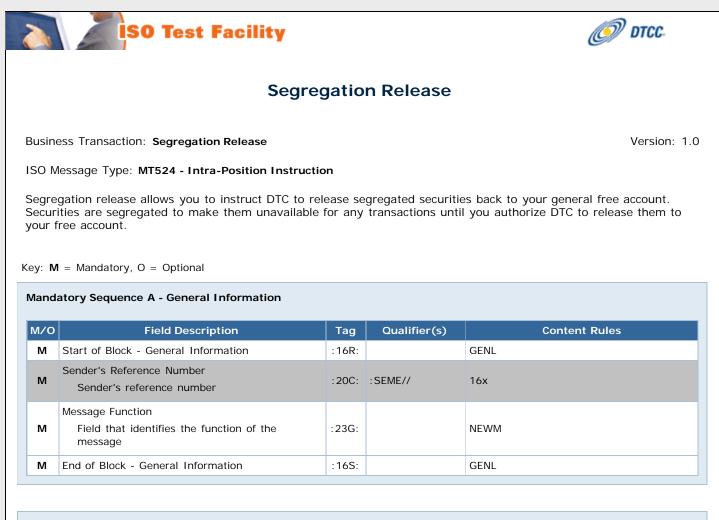
Optional Subsequence B1 - Financial Instrument Attributes

M/O	Field Description	Тад	Qualifier(s)	Content Rules
м	Start of Block - Financial Instrument Attributes	:16R:		FIA
М	Business Transaction ID	:22F:	:FORM/DTCY/	SG01

Depository Trust Company - ISO Message Test Facility - Segregation

0	Serial Number Serial number supplied by the participant	:13B:	:VERN/DTCY/	7x Serial number provided by the participant. Permissible values are: 0000001 - 0000009 (Reg.) or 0000100 (Foreign Ownership)
0	Sequence Number	:70E:	:FIAN//	5x
м	End of Block - Financial Instrument Attributes	:16S:		FIA

//0	Field Description	Тад	Qualifier(s)	Content Rules
М	Settlement Date Date on which the transaction should be settled.	:98A:	:SETT//	yyyymmdd
0	Narrative - DTC Comments Provides additional settlement processing information	:70E:	:SPRO//	35x crlf 35x crlf 10x The maximum length DTC will accept is 80, 2 lines of 35 characters and 1 line o 10 characters. Each line should be separated by a CRLF (carriage return - line feed).
м	Balance From Balance from which the security is moving. Applies to Minimum Amount (MA) or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:FROM//	AVAI Balance from which the security is moving - Available
М	Balance To Balance to which the security is moving. For Minimum Amount (MA) account or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:TOBA//	BLOK Balance to which the security is moving Blocked
м	End of Block - Intra-Position Details	:16S:		INPOSDET



M/O	Field Description	Тад	Qualifier(s)	Content Rules
м	Start of Block - Intra-Position Details	:16R:		INPOSDET
о	Participant Number	:95R:	:ACOW/DTCYPART/	00009999 0000 followed by 4 digits. All 4 digits are required.
м	Safekeeper - DTCC Identifies account where financial instruments are maintained.	:97A:	:SAFE//	DTCC
м	Quantity Quantity of financial instrument to be settled expressed as units such as share quantity.	:36B:	:SETT//	UNIT/999999999, At least 1 whole digit is required. No more than 9 may be present. Fractions are not allowed. A decimal comma is always required.
м	ISIN Identification of the financial Instrument (Country Code, CUSIP and Check Digit)	:35B:		The literal "ISIN" followed by a space followed by the 12 character ISIN. Note- DTC does not accept Non U.S. ISIN Example-ISIN US1234567891. Note-DTC does not accept Non U.S. ISIN

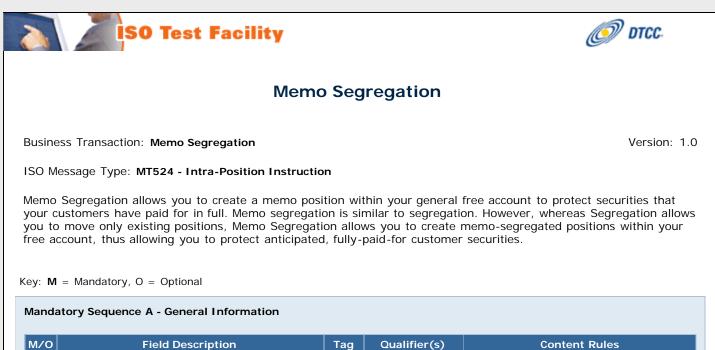
Optional Subsequence B1 - Financial Instrument Attributes

м/о	Field Description	Tag	Qualifier(s)	Content Rules
м	Start of Block - Financial Instrument Attributes	:16R:		FIA

Depository Trust Company - ISO Message Test Facility - Segregation Release

М	Business Transaction ID	:22F:	:FORM/DTCY/	SG02
0	Serial Number Serial number supplied by the participant	:13B:	:VERN/DTCY/	7x Serial number provided by the participant. Permissible values are: 0000001 - 0000009 (Reg.) or 0000100 (Foreign Ownership)
0	Sequence Number	:70E:	:FIAN//	5x
м	End of Block - Financial Instrument Attributes	:16S:		FIA

//0	Field Description	Тад	Qualifier(s)	Content Rules
м	Settlement Date Date on which the transaction should be settled.	:98A:	:SETT//	yyyymmdd
0	Narrative - DTC Comments Provides additional settlement processing information	:70E:	:SPRO//	35x crlf 35x crlf 10x The maximum length DTC will accept is 80, 2 lines of 35 characters and 1 line o 10 characters. Each line should be separated by a CRLF (carriage return - line feed).
М	Balance From Balance from which the security is moving. Applies to Minimum Amount (MA) or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:FROM//	BLOK Balance from which the security is moving - Blocked
М	Balance To Balance to which the security is moving. For Minimum Amount (MA) account or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:TOBA//	AVAI Balance to which the security is moving Available
М	End of Block - Intra-Position Details	:16S:		INPOSDET



м/о	Field Description	Тад	Qualifier(s)	Content Rules
М	Start of Block - General Information	:16R:		GENL
М	Sender's Reference Number Sender's reference number	:20C:	:SEME//	16x
М	Message Function Field that identifies the function of the message	:23G:		NEWM
М	End of Block - General Information	:16S:		GENL

M/O	Field Description	Тад	Qualifier(s)	Content Rules
м	Start of Block - Intra-Position Details	:16R:		INPOSDET
о	Participant Number	:95R:	:ACOW/DTCYPART/	00009999 0000 followed by 4 digits. All 4 digits are required.
	Safekeeper - DTCC			
м	Identifies account where financial instruments are maintained.	:97A:	:SAFE//	DTCC
м	Quantity Quantity of financial instrument to be settled expressed as units such as share quantity.	:36B:	:SETT//	UNIT/9999999999, At least 1 whole digit is required. No more than 9 may be present. Fractions are not allowed. A decimal comma is always required.
м	ISIN Identification of the financial Instrument (Country Code, CUSIP and Check Digit)	:35B:		The literal "ISIN" followed by a space followed by the 12 character ISIN. Note- DTC does not accept Non U.S. ISIN Example-ISIN US1234567891. Note-DTC does not accept Non U.S. ISIN

Optional Subsequence B1 - Financial Instrument Attributes

M/O Field Description Tag Qualifier(s) Content Rules

Depository Trust Company - ISO Message Test Facility - Memo Segregation

м	Start of Block - Financial Instrument Attributes	:16R:		FIA
М	Business Transaction ID	:22F:	:FORM/DTCY/	MS01
0	Action Code	:22F:	:PADI/DTCY/	ADDS or SUBS or OVRL Must be one of the following values: ADDS - Add to existing shares, SUBS - Subtract from existing shares, OVRL - Overlay existing shares
0	Sequence Number	:70E:	:FIAN//	5x
м	End of Block - Financial Instrument Attributes	:16S:		FIA

/0	Field Description	Тад	Qualifier(s)	Content Rules
м	Settlement Date Date on which the transaction should be settled.	:98A:	:SETT//	yyyymmdd
0	Narrative - DTC Comments Provides additional settlement processing information	:70E:	:SPRO//	35x crlf 35x crlf 10x The maximum length DTC will accept is 80, 2 lines of 35 characters and 1 line o 10 characters. Each line should be separated by a CRLF (carriage return - line feed).
М	Balance From Balance from which the security is moving. Applies to Minimum Amount (MA) or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:FROM//	AVAI Balance from which the security is moving - Available
М	Balance To Balance to which the security is moving. For Minimum Amount (MA) account or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:TOBA//	BLOK Balance to which the security is moving Blocked
М	End of Block - Intra-Position Details	:16S:		INPOSDET



M/O	Field Description	Тад	Qualifier(s)	Content Rules
м	Start of Block - Intra-Position Details	:16R:		INPOSDET
о	Participant Number	:95R:	:ACOW/DTCYPART/	00009999 0000 followed by 4 digits. All 4 digits are required.
	Safekeeper - DTCC			
м	Identifies account where financial instruments are maintained.	:97A:	:SAFE//	DTCC
м	Quantity Quantity of financial instrument to be settled expressed as units such as share quantity.	:36B:	:SETT//	UNIT/9999999999, At least 1 whole digit is required. No more than 9 may be present. Fractions are not allowed. A decimal comma is always required.
м	ISIN Identification of the financial Instrument (Country Code, CUSIP and Check Digit)	:35B:		The literal "ISIN" followed by a space followed by the 12 character ISIN. Note- DTC does not accept Non U.S. ISIN Example-ISIN US1234567891. Note-DTC does not accept Non U.S. ISIN

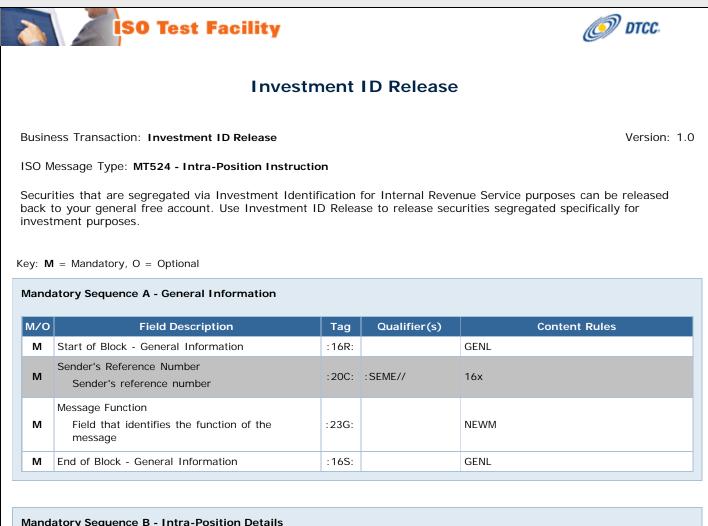
Optional Subsequence B1 - Financial Instrument Attributes

M/O Field Description Tag Qualifier(s) Content Rules

Depository Trust Company - ISO Message Test Facility - Investment ID

М	Start of Block - Financial Instrument Attributes	:16R:		FIA
М	Business Transaction ID	:22F:	:FORM/DTCY/	IN01
0	Serial Number Serial number supplied by the participant	:13B:	:VERN/DTCY/	7x Serial number provided by the participant. Permissible values are: 0100001 - 0199999 (Firm), 0200001 - 0299999 (Partner), 0300001 - 0399999 (Omnibus)
0	Sequence Number	:70E:	:FIAN//	5x
м	End of Block - Financial Instrument Attributes	:16S:		FIA

//0	Field Description	Тад	Qualifier(s)	Content Rules
М	Settlement Date Date on which the transaction should be settled.	:98A:	:SETT//	yyyymmdd
0	Narrative - DTC Comments Provides additional settlement processing information	: 70E:	:SPRO//	35x crlf 35x crlf 10x The maximum length DTC will accept is 80, 2 lines of 35 characters and 1 line o 10 characters. Each line should be separated by a CRLF (carriage return - line feed).
М	Balance From Balance from which the security is moving. Applies to Minimum Amount (MA) or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:FROM//	AVAI Balance from which the security is moving - Available
М	Balance To Balance to which the security is moving. For Minimum Amount (MA) account or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:TOBA//	BLOK Balance to which the security is moving Blocked
м	End of Block - Intra-Position Details	:16S:		INPOSDET



M/O	Field Description	Тад	Qualifier(s)	Content Rules
м	Start of Block - Intra-Position Details	:16R:		INPOSDET
о	Participant Number	:95R:	:ACOW/DTCYPART/	00009999 0000 followed by 4 digits. All 4 digits are required.
м	Safekeeper - DTCC Identifies account where financial instruments are maintained.	:97A:	:SAFE//	DTCC
м	Quantity Quantity of financial instrument to be settled expressed as units such as share quantity.	:36B:	:SETT//	UNIT/9999999999, At least 1 whole digit is required. No more than 9 may be present. Fractions are not allowed. A decimal comma is always required.
м	ISIN Identification of the financial Instrument (Country Code, CUSIP and Check Digit)	:35B:		The literal "ISIN" followed by a space followed by the 12 character ISIN. Note- DTC does not accept Non U.S. ISIN Example-ISIN US1234567891. Note-DTC does not accept Non U.S. ISIN

Optional Subsequence B1 - Financial Instrument Attributes

м/о	Field Description	Тад	Qualifier(s)	Content Rules
м	Start of Block - Financial Instrument Attributes	:16R:		FIA

Depository Trust Company - ISO Message Test Facility - Investment ID Release

м	Business Transaction ID	:22F:	:FORM/DTCY/	INO2
0	Serial Number Serial number supplied by the participant	:13B:	:VERN/DTCY/	7x Serial number provided by the participant. Permissible values are: 0100001 - 0199999 (Firm), 0200001 - 0299999 (Partner), 0300001 - 0399999 (Omnibus)
0	Sequence Number	:70E:	:FIAN//	5x
м	End of Block - Financial Instrument Attributes	:16S:		FIA

1/0	Field Description	Tag	Qualifier(s)	Content Rules
М	Settlement Date Date on which the transaction should be settled.	:98A:	:SETT//	yyyymmdd
0	Narrative - DTC Comments Provides additional settlement processing information	:70E:	:SPRO//	35x crlf 35x crlf 10x The maximum length DTC will accept is 80, 2 lines of 35 characters and 1 line of 10 characters. Each line should be separated by a CRLF (carriage return - line feed).
м	Balance From Balance from which the security is moving. Applies to Minimum Amount (MA) or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:FROM//	BLOK Balance from which the security is moving - Blocked
М	Balance To Balance to which the security is moving. For Minimum Amount (MA) account or Net Additions (NA) account position transfers. Also used to designate securities as available or blocked for segregation, memo segregation, and Investment ID.	:93A:	:TOBA//	AVAI Balance to which the security is moving Available
М	End of Block - Intra-Position Details	:16S:		INPOSDET