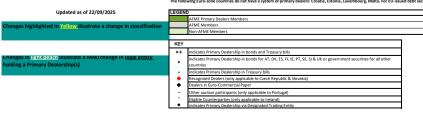
afme/	
<u></u>	

Firm	Legal Entity Holding Dealership	ΔŦ	RE PC	CV	, DE	DK	FS EI ER	GR	U IF T	IV	LT NL PL PT	RO SE C	SK -IIK	EU as an	Q3 - September	TOTAL		Q3 - September	Q2 - June	Changes	Notes
ABN Amro	ABN Amro Bank N.V., Amsterdam	Al	♦		×	- N				Ÿ	ו	NO 3L 31	JK UK	issuer	PDship per lega 2	entity	Q2 -June 2	bank customer	bank customer	0	Notes
Alpha Bank Allianz Group	Alpha Bank S.A. Allianz Bank Bulgaria AD		×					×							1		1	bank customer bank customer	bank customer bank customer	0	
Banca Transilvania Banco BPM Group	Banca Transilvania Banco BPM S.p.A.								×			×			1		1	bank customer bank customer	bank customer bank customer	0	
Banco Commercial Português Banco Cooperativo Español	Millenniumbcp Banco Cooperativo Español S.A.						+				~+				1 1		1	bank customer bank customer	bank customer bank customer	0	
Banco Santander / Santander Group	Banco Santander S.A. Santander Bank Polska S.A.				×		x+ x		* x		x+			*	6 1		6 1	bank inter dealer bank customer	bank inter dealer bank customer	0	
Bankinter	Banco Santander SA London Branch Bankinter S.A.						x+				~+		×+		1		1	bank customer bank customer	bank customer bank customer	0	
Bank of America	BofA Securities Europe SA	×+			×		×+ ×+		×+ ×		× • ×+		×	×	11		11	bank inter dealer bank inter dealer	bank inter dealer	9	Adjustments reflect admin correction not
Dank of America	Merrill Lynch International Bank of America Europe DAC					•			•				+	•	11 1		1	bank inter dealer bank customer	bank customer bank customer	0	new PD ship
Barclays	Barclays Bank Ireland PLC, Dublin Barclays Bank PLC	×+	* •	×	×	•	*+ *+ *	×	×+• ×		× ♦ ×+	*	• ×+	×	14 3		14 3	bank inter dealer bank inter dealer	bank inter dealer bank inter dealer	0	
Bayerische Landesbank BAWAG P.S.K.	Bayerische Landesbank BAWAG P.S.K. Bank für Arbeit und Wirtschaft und Österreichische Postsparkasse AG	×			×										1		1	bank customer bank customer	bank customer bank customer	0	
BBVA BKS Bank	Banco Bilbao Vizcaya Argentaria S.A. BKS BANK AG, Bančna podružnica						x+		×		×+	+		×	4		4	bank inter dealer	bank inter dealer	0	
BNP Paribas	BNP Paribas S.A., Paris	×+	ו		×		x+ x+ x	×××	x x+• x		x x+	×		×	15		15	bank customer bank inter dealer	bank customer bank inter dealer	0	
	BNP Paribas Fortis S.A., Brussels BNP Paribas (London Branch)												×+		1		1	bank customer bank customer	bank customer bank customer	0	
BRED Banque Populaire	Bank of Montreal (London Branch) BRED Banque Populaire, Paris	+	•			٠			* *		•		*+	×	3		3	bank customer bank inter dealer	bank customer bank inter dealer	0	
Caixa Geral de Depósitos CaixaBank	Caixa Banco de Investimento S.A. CaixaBank S.A.						×+				×+ ~+			*	1 3		3	bank customer bank inter dealer	bank customer bank inter dealer	0	
Cantor Fitzgerald CCB Group	Cantor Fitzgerald Ireland Ltd Central Cooperative Bank AD		×						×+						1 1		1	bank customer bank customer	bank customer bank customer	0	
Cecabank CEC bank	Cecabank S.A. CEC Bank S.A						×+					×		×	2		2	bank customer bank customer	bank customer bank customer	0	
CIB Bank Zrt. Citadel	CIB Bank Zrt. Citadel Securities GCS (Ireland) Limited, Dublin				×			×	×						1		1	bank customer bank customer	bank customer bank customer	0	
Citadele Banka	AS Citadele Banka									×	×				2		2	bank customer	bank customer	0	
	Citigroup Global Markets Ltd. Citibank Europe plc (Dublin)		×	• ×			• • • ×		*+ ×		× ×+	:	• ×+	•	15 16		15 16	bank inter dealer bank inter dealer	bank inter dealer bank inter dealer	0	
Citigroup	Citibank Europe plc Magyarországi Fióktelepe Citigroup Global Markets Europe A.G., Frankfurt	•	••	×	•			×	× • •			×	•	×	1 14		1 14	bank customer bank inter dealer	bank customer bank inter dealer	0	
	Bank Handlowy w Warszawie S.A. Citibank Europe plc Dublin - Romania Branch										×	×			1		1	bank customer bank customer	bank customer bank customer	0	
Commerzbank	Commerzbank AG mBank S.A.	×+			×		×+	×			*	×		×	6		6	bank inter dealer bank customer	bank inter dealer bank customer	0	
Credit Agricole	maans S.A. Credit Agricole CIB, Paris Danske Bank A/S		×		×		x+ x+ x		♦ ×		×+	×+ ×	+	*	10		10	bank inter dealer	bank inter dealer	0	
Danske Bank Davy Daka Bank	Davy				*		×+		×+ ×			~*		•	1		1	bank inter dealer bank customer	bank inter dealer bank customer	0	
DekaBank Devteba Bank	DekaBank (Deutsche Girozentrale) Deutsche Bank A.G., Frankfurt	×+	×●	ו ×			x+ x+ x+ :	×+• ×	• ×+ ×		×● ×+	ו	×●	ו	1 17		1 17	bank customer bank inter dealer	bank customer bank inter dealer	0	
Deutsche Bank	Deutsche Bank A.G. (London Branch)												×+		1		1	bank customer	bank customer	0	
Luminor	Luminor Bank AB Luminor Bank AS (Lithuanian branch)									×	×				1		1	bank customer bank customer	bank customer bank customer	0	
DSK BANK DZ BANK	DSK BANK AD DZ BANK AG (Deutsche Zentral-Genossenschaftsbank)		×		×							×		×	1 3		1 3	bank customer bank inter dealer	bank customer bank customer	0	
Eurobank	ERSTE Group Bank A.G.	×+						×		×	×	×		*	2		2	bank customer bank inter dealer	bank customer bank inter dealer	0	
ERSTE Group Bank	ERSTE Breute si Zrt. Banca Comercială Română							×	×			× .			1		1	bank customer	bank customer	0	
ENSTE GROUP BANK	Slovenská sporiteľňa, a.s			×									×		1		1	bank customer bank customer	bank customer bank customer	0	
First Investment Bank	Ceska Sporitelna, a.s. First Investment Bank AD		×												1		1	bank customer bank customer	bank customer bank customer	0	
Goldman Sachs	Goldman Sachs International Bank Goldman Sachs Bank Europe SE	×+		× 4	×		×+ ×+ ×	××			x x x+	*	*+	×	14		14	bank inter dealer bank inter dealer	bank inter dealer bank inter dealer	0	
Goodbody	Goldman Sachs Bank London Goodbody Stockbrokers UC						•		×+			•			3		1	bank inter dealer bank customer	bank inter dealer bank customer	0	
HSBC	HSBC Continental Europe S.A., Paris HSBC Bank PLC	×+	×	×	×	×	x+ x+ x	×	x+ ×		× ×+	×	× ×+	×	16 1		16	bank inter dealer bank customer	bank inter dealer bank customer	0	
ILIRIKA	ILIRIKA borzno posredniška hiša d.d. ING Bank NV., Amsterdam					•					•	+	•		1 0		1 0	bank customer bank customer	bank customer bank customer	0	
ING	ING Bank NV Amsterdam - Bucharest Branch ING Bank N.V. Magyarországi Fióktelepe								×		Ť	×			1		1	bank customer bank customer	bank customer bank customer	0	
Investor Book	ING Bank Śląski S.A.			×							×				2		2	bank customer bank customer	bank customer bank customer	0	
Investec Bank Jefferies	Investec Bank PIc Jefferies International Limited Jefferies GmbH											•			1		1	bank customer	bank customer	0	
		× • +	× • +	× ×	× : ×+		×+ ×+	×+ ×	★ ×+ ×◆+		× ×+	×+	×+	×+	4		4	bank inter dealer bank inter dealer	bank inter dealer bank inter dealer	0	Adjustments reflect admin correction to
J.P. Morgan	J.P. Morgan SE J.P. Morgan Securities plc		•			×	• ×+		•			•	×+		17 7		7	bank inter dealer	bank inter dealer	0	include ECP not new PD ship
квс	KBC Bank SA, Brussels Československá obchodná banka, a.s		×	×									×	×	2		2	bank customer bank customer	bank customer bank customer	0	
	KBC Bank Bulgaria United Bulgarian Bank AD		×												0		1	bank customer bank customer	bank customer bank customer	0	
K&H Bank Zrt. Landesbank Baden-Wuerttemberg	K&H Bank Zrt. Landesbank Baden-Wüerttemberg	×+			×			×	×					×	3		3	bank customer bank inter dealer	bank customer bank inter dealer	0	
Lloyds Banking Group Helaba Landesbank Hessen-Thuringen	Lloyds Bank Corporate Markets plc Landesbank Hessen-Thüringen Girozentrale				×								×+		1		1	bank customer bank customer	bank customer bank customer	0	
Mediobanca	Mediobanca - Banca di Credito Finanziario S.p.A								×				+		1		1	bank customer bank customer	bank customer bank customer	0	
					_										1		•				
Mitsubishi UFJ Securities Mizuho Bank	Mitsubishi UFJ Securities EMEA plc Mizuho Securities Europe GmbH				×	_		_		_								bank customer	bank customer	0	
	Mitsubishi UFJ Securities EMEA plc Mitsub Securities Europe GmbH Mitsub International PLC Morgan Stanley Europe SE, Frankfurt	×+	×	×	×		x+ x	×	x+ ×		× ×+	×		×	0 13		0 13	bank customer bank customer bank inter dealer	bank customer bank customer bank inter dealer	0	
Mizuho Bank Morgan Stanley Monte dei Paschi di Siena	Mittaubian UFF Securities EMIA pic Mittaub Securities Lumpe dimbit Mittaub International PLC Morgan Stanley (Acquest, Frankurt Morgan Stanley A.Co. International PLC Morgan Stanley Morgan	×+	× •	×	×	×			• x		x x+	×	×+	×	0 13 5 2		0 13 5	bank customer bank customer bank inter dealer bank inter dealer bank customer	bank customer bank customer bank inter dealer bank inter dealer bank customer	0 0 0	
Mizuho Bank Morgan Stanley	Mitsubahi UF Securities RMA pk Mitsuba Securities Europe GmbH Mitsuba International PLC Morgan Stanley Europe 85, Frankfurt Morgan Stanley & Co. International PLC	×+		×	×			ж	• x		x x+	×	×+	×	5			bank customer bank customer bank inter dealer bank inter dealer	bank customer bank customer bank inter dealer bank inter dealer bank customer bank customer bank customer	0	
Mizuho Bank Morgan Stanley Monte dei Paschi di Siena MKB Bank	Mitsubibil UF Securities EMIA pic Mitsubs Securities EMIA pic Mitsubs Securities EMIA pic Mitsubs International PIC Morgan Stanley Surpes SE, Frankfurt Morgan Stanley Surpes SE, Frankfurt Morgan Stanley Surpes SE, Frankfurt Morgan Stanley Surpes SE, Mitsubibility Mitsubs SE, Mitsub		×	×	×	×			• x		x x+	×	×+		5			bank customer bank customer bank inter dealer bank inter dealer bank customer bank customer	bank customer bank customer bank inter dealer bank inter dealer bank customer bank customer	0 0 0	
Miruho Bank Morgan Stanley Monte del Paschi di Siena MKB Bank Municipal Bank National Bank of Greece	Mittaubian UFF Securities EMIA pic Mittaub in UFF Securities EMIA pic Mittaub international PLC Morgan Stanley (Aco.) International PLC Morgan Stanley (A.Co.) International PLC Morgan Stanley (A.Co.) International PLC Morgan Stanley (A.Co.) International PLC Morgan Morgan (A.Co.) International PLC Mor	x+ x+	×	×	× ×	×		ж	× × ×			X	×+	*	5 2 1 1 2		2 1 1 2	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer	bank customer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer	0 0 0 0	
Mizuho Bank Morgan Stanley Monte dei Paschi di Siena HMS Bank Municipal Bank National Bank of Greece Nations	Mittabilish UFF Securities EMIA pic Mittab Securities EMIA pic Mittab Securities Empre Gmibbi Mittab International PLC Morgan Stanley Reprop St. Frankfurt Morgan Stanley & Co. International PLC Banca Morite del Pacich di Siena S.p.A. Morticipal Bank AD. Morticipal Bank AD. National Bank of Greece SA National Sank of Greece SA National Sank of Greece SA National Sank Market PLC Nativest Murinets PLC Nativest Murinets PLC Nativest Murinets PLC, Amsterdam Mormura Financial Products Europe Gmibl, Frankfurt	×+ ×+	× × × ×	×	×	×	x+ x x x x x x x x x x x x x x x x x x	×	x+• x x + • x		x x x+	×	* ×+	* *	5 2 1 1 2 8 3 7		2 1 1 2 8 3 7	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte dei Paschi di Siena HMS Bank Municipal Bank National Bank of Greece Nations	Mittabilish UFF Securities EMIA pic Mittab Securities EMIA pic Mittab Carellist Europe Gmibbi Mittab international PIC Morgan Stanley Roye St, Frankfurt Morgan Stanley Roye St, Frankfurt Morgan Stanley Roye St, Stanley RO Marca Monte Self Paschel Stanle Sp.A. MSH Bank Rytt. Municipal Bank AD National Bank of Greece SA National Bank of Greece SA Nation Sk, Paris Nativest Murlets RV., Amsterdam Nomura Financial Pic Nomura Financial PIC Nomura Financial PIC Nomura Instancial PIC	×+ •	× × × × × × × × × × × × × × × × × × ×	×	× × × ×	×	x+ x x x x x x x x x x x x x x x x x x	×	× × × × × × × × × × × × × × × × × × ×		x x x+	×	• ×+	* * * * * * * * * * * * * * * * * * *	5 2 1 1 2 8 3 7 13 11 12		2 1 1 2 8 3 7 13 11	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank inter dealer	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank inter dealer	0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MKB Bank Municipal Bank National Bank of Greece Nations Natwest Markets	Mittabilish UFF Securities EMIA pic Mittab Georuffes Empre Gmibh Mittab international PIC Morgan Stanley Runger St. Frankfurt Morgan Stanley R. Co. International PIC Annaca Monte Self Pask Mid Stanle S. P.A. MidH Bank Ryrt. Ministry St. Ministry	×+ •	x x x x x x x x x x x x x x x x x x x	×	× × × × • • • • • • • • • • • • • • • •	×	X+ X X X+ X+ X X+ X+ X+ X+ X+ X+ X+ X+ X	×	× × × × × × × × × × × × × × × × × × ×		x x x+	x	* ×+	* * * * * * * * * * * * * * * * * * *	5 2 1 1 2 8 3 7 13 11 12 4		2 1 1 2 8 8 3 7 13 11 12 4	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank inter dealer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank inter dealer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MKB Bank Municipal Bank National Bank of Greece Nations Natwest Markets	Mittabilish IUF Securities EMIA pic Mittab Securities EMIA pic Mittab Carellist Europe Girbit Mittab international PIC Morgan Starley Europe St. Frankfurt Morgan Starley Excellent Starley Girbit Morgan Starley Excellent Girbit Morgan Starley Excellent Girbit Morgan Starley Excellent Girbit Morgan Starley Excellent Girbit Morticipal Bank AD National Bank AD National Bank of Gerecs SA National St. Paris Nativest Murlets EXC Nativest Murlets EXC Nativest Murlets EXC Nativest Murlets EXC Nomura Financial Products Europe Gmbit, Frankfurt Nomura Bank International PIC Nomura Infancial Products Starley Nomura Strancial Products Starley Nomura Strancial Products Starley Nomura Strancial Products Str. Nomura Girbital Products Str. Nomura Girbital Products Inc. Nomura Securities CX. Nomura S	×+ •	x x x x x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×	X X X O O O O O O O O O O O O O O O O O	×	x+ x x x x x x x x x x x x x x x x x x	×	× × × × × × × × × × × × × × × × × × ×		x x x+	X	* ×+	x x x x	5 2 1 1 2 8 3 7 13 11 12 4 4 4		2 1 1 2 8 8 3 7 13 11 12 4 4 4 4	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank inter dealer	0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Pacht di Siena MKB Bank Municipal Bank National Bank of Greece Natius Natwest Markets Nomura	Mittaubilis UFF Securities EMIA pic Mittaub Securities EMIA pic Mittaub international PEC Morgan Stanley Rusyee St, Frankurt Morgan Stanley R.Co. International PEC Banca Monrie del Pascid di Sima S.p.A. Mitta Bank Nyrt. Mittaubilis Mi	×+ •	x x x x x x x x x x x x x x x x x x x	×	X X X 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	×	X+ X X X+ X+ X X+ X+ X+ X+ X+ X+ X+ X+ X	×	× × × × × × × × × × × × × × × × × × ×		x x x+	X X X X X X X X X X X X X X X X X X X	* ×+	* * * * * * * * * * * * * * * * * * *	5 2 1 1 2 8 3 7 13 11 12 4		2 1 1 2 8 3 7 13 11 12 4 4	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank inter dealer	bank customer bank inter debler bank inter debler bank inter debler bank inter debler bank customer bank customer bank customer bank customer bank customer bank inter debler	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte dei Paskhi di Siena MitS Bank Municipal Bank National Bank of Greece Natius Nativas	Mittabilish UFJ Securities EMIA pic Mittabilish UFJ Securities MIA Morgan Stanley & Co. International P.C Banca Monte del Paschi di Siena S.p.A. MISH Bank Ngrt. Mish Bank Ngrt. Mish Bank AD National Bank of Greece SA National Bank of Greece SA National Bank of Greece SA Nativest Markets P.C Nativest Markets P.C Nativest Markets P.C Nativest Markets P.C Normura Bank Horeducts and Composition of Michael Securities Micha	×+ •	x x x x x x x x x x x x x x x x x x x	×	X X X O O O O O O O O O O O O O O O O O	×	x+ x x x x x x x x x x x x x x x x x x	×	× × × × × × × × × × × × × × × × × × ×		x x x x x x x x x x x x x x x x x x x	X+ X+	* ×+	x x x x	5 2 1 1 2 8 3 7 13 11 12 4 4 4		2 1 1 2 8 8 3 7 13 11 12 4 4 4 4	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank inter dealer	bank customer bank inter dealer bank customer bank customer bank customer bank customer bank inter dealer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Miruho Bank Morgan Stanley Monte del Paskhi di Siena MiRS Bank Municipal Bank National Bank of Greece Nations Natives Natives Natives Natives Normura Nordéeutsche Landesbank Nordea Nova Ljubljanska Banka Novo Banco	Mittabilis UFF Securities EMIA pic Mittabilis UFF Securities MIA pic Mittabilis Describes Europe Ginbili Mittabilis Distributional PLC Morgan Stanley Rucope St, Frankurt Morgan Stanley Rucope St, Frankurt Morgan Stanley Ruco, International PLC Banca Notinic del Pascidi di Siena S.p.A. Mibili Bank Nptr. Mibili Bank AD National Bank of Creece SA National Bank of Creece SA National Bank of Creece SA Nativest Municis PLC Normula Bank international PLC Normula Bank international PLC Normula Financial Products and Services Inc. Normula Global Financial Products inc. Nordes Global Financial	×+ •	x x x x x x x x x x x x x x x x x x x	×	X X X O O O O O O O O O O O O O O O O O	×	x+ x x x x x x x x x x x x x x x x x x	×	× × × × × × × × × × × × × × × × × × ×		x x x+		* ×+	x x x x	5 2 1 1 2 8 3 7 13 11 12 4 4 4		2 1 1 2 8 8 3 7 13 11 12 4 4 4 4	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer bank customer bank customer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MKB Bank Municipal Bank National Bank of Greece National Bank of Greece Nativas Natwest Markets Nomura Nordeutsche Landesbank Nordea Nova Ljubijanska Banka Novo Banco Nykredi Bank Oberbank	Mittabulan UFF Securities EMIA pic Mittabulan UFF Securities MIA pic Mittabulan Securities Unique Site Mittabulan UFF Securities MIA Mittabulan UFF Securities Midgraga Stanley (second Site Site Site Site Site Site Site Site	×+ •	X X X X X X X X X X X X X X X X X X X	×	X X X O O O O O O O O O O O O O O O O O	x +	x+ x x x x x x x x x x x x x x x x x x	×	× × × × × × × × × × × × × × × × × × ×		x x x x x x x x x x x x x x x x x x x		* ×+	x x x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2 1 1 2 8 3 7 13 11 12 4 4 4		2 1 1 2 8 8 3 7 13 11 12 4 4 4 4	bank customer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Miruho Bank Morgan Stanley Monte del Paskhi di Siena Mis Bank Municipal Bank National Bank of Greee Natius Natives Natives Natives Normura Norddeutsche Landesbank Nordea Nova Ljubljanska Banka Novo Banco Nykredit Bank Oberbank Oter Group	Mittabili UFF Securities EMIA pic Mittabili UFF Securities MIA pic Morgan Stanley & Co. International PIC Banca Notince del Paschi di Siena S.p.A. MISH Bank Nayt. Mish Bank MIA pic National Bank of Greece SA National Bank of Greece SA National Bank of Greece SA National Sank Mish Mish Mish Mish Mish Mish Mish Mish	×+ • •	X X X X X X X X X X X X X X X X X X X	×	X X X O O O O O O O O O O O O O O O O O	x +	x+ x x x x x x x x x x x x x x x x x x	×	X X X X X X X X X X X X X X X X X X X		x x x x x x x x x x x x x x x x x x x		* ×+	x x x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2 1 1 2 8 3 7 13 11 12 4 4 4 4 1 1 1 1 1 1 1		2 2 1 1 2 2 8 8 9 7 7 13 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paskhi di Siena Mis Bank Municipal Bank National Bank of Greee Nations Nations Natives Natives Natives Normura Norddeutsche Landesbank Nordea Nova Ljubljanska Banka Novo Banco Nykredit Bank Oterbank Oter Group Philipcapital Pirarus Bank	Mittabili UFF Securities EMIA pic Mittabili UFF Securities MIA pic Morgan Stanley & Co. International PIC Banca Notince de Pasch di Siena S.p.A. MISH Bank Ngrt. Mish Bank Might. Mish Bank Mish Mish Mish Mish Mish Mish Mish Mish	×+ • •	X X X X X X X X X X X X X X X X X X X	×	X X X O O O O O O O O O O O O O O O O O	x +	**	×	X X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X X X X X X X X X	+	×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×	x x x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	5 2 1 1 2 8 3 7 13 11 12 4 4 4 4 1 1 1 1 1 1 1		2	bank customer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Miruho Bank Morgan Stanley Monte del Paskhi di Siena Miri Bank Municipal Bank National Bank of Greece Nations Nativis Nativis Nativis Nativis Nativis Nativis Normara Norddeutsche Landesbank Nordea Nova Ljubljanska Banka Myro Banco Nykredit Bank Oberbank Otr Group Philicpanital Pirarus Bank PKO Bank PKO Bank Prizarus Bank PKO Bank PKO Bank Prizarus Bank PKO Bank PKO Bank PKO Bank PKO Bank PRO Bank	Mittabili UFF Securities EMIA pic Mittabili UFF Securities MIA pic Morgan Stanley & Co. International PIC Banca Notince de Pasch did Siena S.p.A. MISH Bank Ngrt. MISH MISH Bank Ngrt. MISH MISH Bank Ngrt. MISH MISH MISH MISH MISH MISH MISH MISH	×+ • •	X X X X X X X X X X X X X X X X X X X		x x x 0 0 0 0 0 x x x	x +	**	X	X X X X X X X X X X X X X X X X X X X		x x x x x x x x x x x x x x x x x x x	+	×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×	* * * * * * * * * * * * * * * * * * *	5 2 2 3 3 7 7 13 11 12 2 4 4 4 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2	bank customer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank outstomer bank outstomer bank outstomer bank outstomer bank outstomer bank outstomer bank inter dealer bank outstomer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MKB Bank Municipal Bank National Bank of Greece Natavis Nativis Nativis Nativis Nomura Nordeautsche Landesbank Nordea Novo Banco Nykredit Bank Oberbank OTP Group PhilipCapital Piraus Bank PKO Bank Polski	Mittabili UFF Securities EMIA pic Mittabili UFF Securities MIA pic Morgan Stanley & Co. International PIC Banca Notince del Pacid of Sens S.p.A. MISH Bank Nayt. Mish Bank Nayt. Mish Bank AD National Bank of Greece SA Nataties SA, Paris Nataties SA, Paris Nataties Markets BIC Nomura Bank International PIC Nomura Bank International PIC Nomura Goldar Financial Products and Services Inc. Nomura Global Financial Products	x+ • •	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	x +	**	X	X X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X X X X X X X X X	**************************************	×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×	* * * * * * * * * * * * * * * * * * *	5 2 2 3 3 7 7 33 11 12 2 4 4 4 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2	bank customer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MMR Bank Municipal Bank National Bank of Greece Natavis Nativis Nativis Nativis Nativis Nomura Nordeautsche Landesbank Nordea Novo Banco Nykredit Bank Oberbank OTP Group PhilipCapital Piracus Bank PKG Bank Polski Postbank PPG Banka	Mittabili UFF Securities EMIA pic Mittabili UFF Securities MIA pic Morgan Stanley & Co. International PLC Banca Notince del Pacid of Sens S.A. Mibili Bank ADP. Mibili Bank ADP. National Bank of Greece SA Natation SA parts Naturett Markets PLC Natation SA parts Naturett Markets PLC Naturett Markets PLC Naturett Markets PLC Naturett Markets PLC Normal Bank International PLC Normal Bank International PLC Normal Bank International PLC Normal Securities MIA products and Services Inc. Normal Collab Financial Products Inc. Normal Securities Co. Nordeductive Landesbank Giroventrale Nordes Bank Talanda Alp Nordes Bank Talanda Alp Nordes Bank AS Nova Lipbilipants Banka D.D. Nova Banco, S.A. Nova Lipbilipants Banka D.D. Nordes Bank Talanda Alp Placets Bank AS Nordes Bank AS Nova Upolipants Banka D.D. Nordes Bank AS Nova Upolipants Banka D.D. Nova Banco, S.A. Nova Placets S.A. PLO BP S.A. Eurobank Buggirá AD PFP Banka AS. PLO BP S.A. Eurobank Buggirá AD PFP Panka AS. A. Herendes Bank ALA, Utrecht Raiffeisen Bank S.A.	×+ • •	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	x +	**	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X X X X X X X X X	+	×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×	* * * * * * * * * * * * * * * * * * *	5 2 1 1 2 8 8 3 7 7 131 141 4 4 4 4 4 4 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MKB Bank Municipal Bank National Bank of Greece Natavis Natives Markets Nomura Nordeutsche Landesbank Nordea Novo Ljubljanska Banka Novo Banco Nykredit Bank Otherhank OTP Group PhilipCapital Piraus Bank PKO Bank Pobisi Postbank PPE Banka Rabobank	Mittabili UFF Securities EMIA pic Mittabili UFF Securities MIA pic Morgan Stanley & Co. International P.C. Banca Notince del Pasci di Siena S.p.A. MISH Bank Nayt. Mish Bank Nayt. Mish Bank AD National Bank of Greece SA Nataties SA, Paris Nataties SA, Paris Nataties SA, Paris Nataties SA, Paris Nataties Markets P.C. Nataties Markets P.C. Nataties Markets P.C. Nataties Markets P.C. Normal Bank International P.C. Nordeductis L.	x+ • •	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	x +	**	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X X X X X X X X X	**************************************	×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×+ ×	x	5 2 2 3 3 7 7 33 11 12 2 4 4 4 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter debler bank customer bank customer bank customer bank customer bank customer bank inter debler bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MMR Bank Municipal Bank National Bank of Greece Natavis Nativis Nativis Nativis Nativis Nomura Nordea Nordea Nordea Novo Ejubijanska Banka Novo Banco Nykredit Bank Oberbank OTP Group PhilipCapital Piracus Bank PKC Bank Polski Postbank PPC Bank Polski Postbank Rafifeisen Bank Rafifeisen Bank	Mittabulbui IUF Securities EMIA pic Mittabu international PLC Mittabus international PLC Morgan Standey Racyon St. Frankfurt Morgan Standey Racyon Stander St. Racyon St. Racyon Mittabus Racyon Mittabus Racyon Mittabus Racyon Mittabus Racyon Mittabus Racyon Nativest Murlets PLC Nativest N	x+ • •	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	x +	**	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X X X X X X X X X	**************************************	X+ X	* * * * * * * * * * * * * * * * * * *	5 2 2 1 1 2 8 8 3 7 7 131 122 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter debler bank customer bank customer bank customer bank customer bank customer bank inter debler bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MMR Bank Municipal Bank National Bank of Greece National Bank of Greece Nativis Nativest Markets Nomura Nordeautsche Landesbank Noroea Novo Siubijanska Banka Novo Banco Nykredit Bank Oberbank OTP Group PhilipCapital Piraus Bank Pro Bank Polski Postbank PPE Banka Rabobank Ralffelsen Bank Ralffelsen Bank	Mittabulbui IUF Securities EMIA pic Mittabus international PLC Mittabus international PLC Morgan Standey Racyon St. Frankfurt Morgan Stander Stander St. Frankfurt Nativest Murbers PLC Nativest Murbe	x+ • •	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	X X + X + X +	X0 X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X		X X X X X X X X X X X X X X X X X X X	**************************************	X+ X	x	5 2 2 1 1 2 8 8 3 7 7 131 122 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter debler bank customer bank customer bank customer bank customer bank customer bank inter debler bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena MMR Bank Municipal Bank National Bank of Greece National Bank of Greece Nativis Nativest Markets Nomura Nordeautsche Landesbank Noroea Novo Siubijanska Banka Novo Banco Nykredit Bank Oberbank OTP Group PhilipCapital Piraus Bank Pro Bank Polski Postbank PPE Banka Rabobank Ralffelsen Bank Ralffelsen Bank	Mittabulbui IUF Securities EMIA pic Mittabus international PLC Mittabus international PLC Morgan Standey Racyon St. Frankfurt Morgan Stander Stander St. Frankfurt Nativest Murbers PLC Nativest Murbe	x+ • •	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	x +	X0 X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X	×	x x x x x x x x x x x x x x x x x x x	X+ X+ X	X+ X	X X X X X X X X X X X X X X X X X X X	5 2 2 3 1 1 2 8 8 3 7 13 131 12 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte dei Paskh di Siena Mis Bank Munticaja Bank National Bank of Greece Nativis Nativis Nativis Nativis Nativis Nomura Norddeutsche Landesbank Nordea Nova Ljubijanska Banka Nova Banco Nyiredit Bank Oberbank Otherbank Otherbank Otherbank Otherbank Roya Bank Picas Bank Picas Bank Picas Bank Roya Bank Raffelsen Bank Raffelsen Bank Rayal Bank of Canada Scotlabank	Mittabulbui IUF Securities EMIA pic Mittabus international PLC Morgan Standey Recorpe Sit, Frankfurt Morgan Stander Sit, Stander	x+ 0 0 x+	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X	×	X X X X X X X X X X X X X X X X X X X	X+ X+ X	X+ X	X X X X X X X X X X X X X X X X X X X	5 2 2 3 1 1 2 8 8 3 7 13 11 11 12 4 4 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer bank inter dealer bank inter dealer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paskhi di Siena Mis Bank Municipal Bank National Bank of Greee Nations Nativis Nativis Nativis Nativis Nativis Nativis Normura Norddeutsche Landesbank Nordea Nova Ljubljanska Banka Novo Banco Nykredit Bank Otr Group Philipcapital Piraeus Bank PKO Bank Polski Peraeus Bank Raibobank Raiffeisen Bank Raiffeisen Bank Roval Bank of Canada Scotiabank SEB Staulių bankas	Mittabulbui IUF Securities EMIA pic Mittabus Describes Europe Ginsbi Mittabus Describes Europe Ginsbi Mittabus Describes Europe St. Frankut Morgan Stanley & Co. International PLC Morgan Stanley & Co. International PLC Banca Notoric del Pasch di Siena S. p.A. Mitti Bank Nyrt. Mitti Bank Nyrt. Mitti Bank Nyrt. Mitti Bank AD National Bank of Greec SA National Bank Sant Santian Stanley Stanley National Natio	x+ • •	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X0 X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X	×	X X X X X X X X X X X X X X X X X X X	X+ X+ X	X+ X	X X X X X X X X X X X X X X X X X X X	5 2 2 3 1 1 2 8 8 3 7 13 131 12 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte dei Paschi di Siena Mis Bank Munticaja Bank National Bank of Greece Nativis Nativis Nativis Nativis Nativis Nomura Norddeutsche Landesbank Nordea Nova Ljubijanska Banka Nova Banco Nyiredit Bank Oberbank Otherbank Otherbank Otherbank Otherbank Royal Bank Picaus Bank Royal Bank Raffelisen Bank Raffelisen Bank Royal Bank of Canada Scotlabank Royal Bank of Canada	Mittaubini UFF Securities EMIA pic Mittaub in UFF Securities EMIA pic Mittaub in international PIC Morgan Standey Racy Securities EMIA Morgan Standey Racy Securities IMIA Morgan Stander IMIA National Bank Of Greece SA National Bank Stander IMIA National Bank Stander IMIA National Morgan Imia Morgan National Morgan Imia Morgan National National National Morgan National	x+ 0 0 x+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X	×	X	X+ X+ X	X+ X	X X X X X X X X X X X X X X X X X X X	5 2 2 3 3 7 7 33 11 12 2 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank outomer bank outomer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena Mis Bank Municipal Bank National Bank of Greece Nativis Nativis Nativis Nativis Nativis Nativis Nomura Nordea Nova Ljubijanska Banka Novo Banco Nykredit Bank Oberbank O'De Grank O'De Group PhilipCapital Pirraus Bank PKO Bank Poisid Postbank PPS Bank Radiobank Radiobank Radiobank Radiobank Radiobank Radiobank Radiobank SEB	Mittaubini UFF Securities EMIA pic Mittaub in UFF Securities EMIA pic Mittaub international PEC Morgan Standey Racy Expressional PEC Morgan Standey Racy Set, International PEC Morgan Standey Racy Set, International PEC Manca Montre del Pasci di Siena S.p.A. Mittal Bank Nayl. Mittal Sank Nayl. Mittal Bank AD National Bank Of Greece SA National Bank of Greece SA National Bank Of Greece SA National Bank Officere SA National Market PEC National Bank Morgan National Market PEC National Bank Morgan National Market PEC National Bank Morgan National Market Peculiari Set Stonyole Childry National Bank Morgan National Market Peculiari Set Stonyole Childry National Bank Morgan National Bank Morgan National Market Peculiari Set Stonyole National Market Peculiari Set Stonyole National Market Peculiari Set Stonyole National Market	x+ 0 0 x+	x x x x x x x x x x x x x x x x x x x		X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X	×	X X X X X X X X X X X X X X X X X X X	x+ x	X+ X	X X X X X X X X X X X X X X X X X X X	5 2 2 3 3 7 7 33 11 12 2 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paskhi di Siena Mis Bank Municipal Bank National Bank of Greee Nations Nativis Nativis Nativis Nativis Nativis Nativis Normura Norddeutsche Landesbank Nordea Nova Ljubljanska Banka Novo Banco Nykredit Bank Otr Group Philipcapital Piraeus Bank PKO Bank Polski Peraeus Bank Raibobank Raiffeisen Bank Raiffeisen Bank Roval Bank of Canada Scotiabank SEB Staulių bankas	Mittabulbui UFF Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Mittabu International PIC Morgan Sandey A Co. International PIC Banca Montre del Pasci del Siena S.A. Mitta Bank Nayl. Mittabu Sank Nayl. Mi	x+ 0 0 x+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X	×	X X X X X X X X X X X X X X X X X X X	X+	X+ X	X X X X X X X X X X X X X X X X X X X	5 2 2 3 1 1 2 8 8 3 7 13 11 12 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte dei Paskh di Siena Mis Bank Munticaja Bank National Bank of Greece Nativis Nativis Nativis Nativis Nativis Nomura Norddeutsche Landesbank Nordea Nova Ljubljanska Banka Nova Banco Nyirredit Bank Oberbank OPF Group PhilipCapital Priesus Bank Royal Bank Royal Bank Royal Bank Royal Bank Scotlabank Sotiabank Sotiabank Sotiabank Sotiabank Sotiabank Sotiabank Sotiabank Sotiabank Sotiabank Sela Siaulty bankas Société Générale Svenska Handelsbanken Swedbank RBI Group	Mittabulbui UFF Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Morgan Sandey Roca Securities EMIA Morgan Sandey Roca International PIC Morgan Sandey Roca di Sinna S.A. Mittabu Roca Morgan Sandey Roca di Sinna S.A. Mittabu Roca Morgan Sandey Roca di Sinna S.A. Mittabu Roca Morgan Matthewa Market Roc National Bank of Greece SA National Market Roc National Bank of Greece SA National Bank Securities Roc Normona Global Formational Products to troppe Gmila, Frankfurt Normona Sander Bank Securities CA Normona Global Formational Products Inc. Normona Global Formational Products Inc. Normona Global Formational Products Inc. Normona Securities CA Normona Global Formational Products Inc. Normona Morgania Global Products Inc. Normona Mor	x+ 0 0 x+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X	×	X X X X X X X X X X X X X X X X X X X	X+ X+ X+	X+ X	X X X X X X X X X X X X X X X X X X X	5 2 2 1 1 2 8 8 3 7 7 13 11 12 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena Miss Bank Municipal Bank National Bank of Greece Normal Nordeutsche Landesbank Nordea Nova Ljubljanska Banka Noro Banco Nykredit Bank Oberbank O'Der Group PhilipCapital Piraeus Bank PKO Bank Polski Postbank Raffelsen Bank Rajfelsen Bank Rajfelsen Bank Royal Bank of Canada Scotlabank SEB Slaulių bankas Societė Genérale Svenska Handelsbanken Swedbank	Mittabulbui UF Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Mittabu International PIC Morgan Standey & Co. International PIC Banca Montre del Pasci del Siena S.A. Mittabu Bank March Securities EMIA Mittabu Bank March Mittabu Bank del Caree SA National Bank del Creece SA National Bank Securities INC National Bank Securities Ca Norde Sanch Securities Sanch Securities Ca Norde Sanch Securi	x+ 0 0 x+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X X X X X X X X X X X X X X X X X X X	×	X X X X X X X X X X X X X X X X X X X	X+ X+ X+	X+ X	X X X X X X X X X X X X X X X X X X X	5 2 2 1 1 2 8 8 3 7 7 13 11 12 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paskh di Siena Mis Bank Municipal Bank National Bank of Greece Nativis Nativis Nativest Markets Nomura Norddeutsche Landesbank Nordea Nova Ljubijanska Banka Nova Banco Nyiredit Bank Oberbank OPP Group PhilioCapital Piranu Bank PPE Bank Rabobank Ralffeisen Bank Royal Bank of Canada Scotlabank Scotlabank Scotlabank Sel Siaulty bankas Siaulty bankas Société Générale Svenska Handelsbanken Swedbank RBI Group	Mittabulbui UF Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Mittabu Securities EMIA pic Mittabu International PLC Morgan Standey & Co. International PLC Morgan Standey & Co. International PLC Manca Monte del Pasci del Siena S.A. Mittabu Sank Nyur.	X+ X+ X+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X	×	X X X X X X X X X X X X X X X X X X X	X+ X+ X+	X+ X	x x x x x x x x x x x x x x x x x x x	5 2 2 1 1 2 8 8 3 7 7 13 11 12 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena Mis Bank Municipal Bank National Bank of Greece Nativis Nativis Nativest Markets Nomura Norddeutsche Landesbank Nordea Nova Ljubijanska Banka Nova Banco Nyiredit Bank Oberbank O'P Group PhilioCpairal Pristus Bank Roya Banka Roya Banka Roya Banka Roya Banka Seetank PPE Banka Rabobank Ralffeisen Bank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Seetank Seetank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Seetank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Seetank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Seetank Royal Banka o'Canada Scotiabank Seetanka Handelsbanken Sweetbank Rall Group Toronto-Dominion	Mistubio IUF Securities EMIA pic Mistubio Mistubio IUF Securities EMIA pic	x+ 0 0 x+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X	×	X X X X X X X X X X X X X X X X X X X	X+ X+ X+	X+ X+ X+	x	5 2 2 3 1 1 2 8 8 3 7 7 13 11 12 4 4 4 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena Mis Bank Municipal Bank National Bank of Greece Nativis Nativis Nativest Markets Nomura Norddeutsche Landesbank Nordea Nova Ljubijanska Banka Nova Banco Nyiredit Bank Oberbank O'P Group PhilioCpairal Pristus Bank Roya Banka Roya Banka Roya Banka Roya Banka Seetank PPE Banka Rabobank Ralffeisen Bank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Seetank Seetank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Seetank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Seetank Royal Bank o'Canada Scotiabank Seetank Seetank Seetank Seetank Seetank Royal Banka o'Canada Scotiabank Seetanka Handelsbanken Sweetbank Rall Group Toronto-Dominion	Mistabulo IUF Securities EMIA pic Mistabu Securities EMIA pic Mistabu Securities EMIA pic Mistabu Securities EMIA pic Mistabu Securities Empore Si, Frankurt Morgan Stanley & Co. International PLC Mistabula Mark Mark Mark Mark Mark Mark Mark Mar	X+ X+ X+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X	×	X X X X X X X X X X X X X X X X X X X	X+ X+ X+	X+ X+ X+ X+ X+	x x x x x x x x x x x x x x x x x x x	5 2 2 3 1 1 2 8 8 3 7 7 13 11 12 4 4 4 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paskh di Siena Mis Bank Municipal Bank National Bank of Greece Nativis Nativis Nativest Markets Nomura Nordea Nova Ljubijanska Banka Novo Banco Nyiredit Bank Oberbank O'Perbank O'Perbank O'Perbank And Bank of Sanka Praco Bank Raiffeisen Bank Royal Bank of Canada Scotiabank See B Siauliy bankas Société Générale Svenska Handelsbanken Swedbank RBI Group Toronto-Dominion	Mistanbis UFF Securities EMIA pic Mistanb international PIC Morgan Stanley Funge Sit, Pranfurt Morgan Stanley Funge Sit, Stanley Funge Mistan Mort Morgan Mistan Sit, Prant Mistan	X+ X+ X+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X	×	X X X X X X X X X X X X X X X X X X X	X+ X+ X+	X+ X+ X+ X+ X+	x x x x x x x x x x x x x x x x x x x	5 2 2 3 1 1 2 8 8 3 7 7 13 11 12 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paschi di Siena Mis Bank Municipal Bank National Bank of Greece Natival Natival Natival Nordea Nordea Nordea Nordea Nova Ljubijanska Banka Novo Banco Nyrredit Bank Oberbank O'Der Group Philiocapital Perseus Bank PPC Bank Polski PPS Bank Reloski Rajfeisen Bank Royal Bank of Canada Scotlabank Siaulių bankas Socidė Générale Svenska Handelsbanken Swedbank RBI Group Toronto-Dominion UBS	Mistanbis UFF Securities EMIA pic Mistanb international PIC Morgan Stanley Funge Sit, Pranfurt Morgan Stanley Funge Sit, Stanley Funge Mistanbis Mark Morgan Mistanbis Morgan	X+ X+ X+ X+ X+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X	×	X X X X X X X X X X X X X X X X X X X	X+ X	X+ X+ X+ X+ X+	x x x x x x x x x x x x x x x x x x x	5 2 2 1 1 2 8 8 3 7 7 131 14 4 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paskh di Siena Mis Bank Municipal Bank National Bank of Greece Nativis Nativis Nativest Markets Nomura Nordea Nova Ljubijanska Banka Novo Banco Nyiredit Bank Oberbank O'Perbank O'Perbank O'Perbank And Bank of Sanka Praco Bank Raiffeisen Bank Royal Bank of Canada Scotiabank See B Siauliy bankas Société Générale Svenska Handelsbanken Swedbank RBI Group Toronto-Dominion	Mistanbis UFF Securities EMIA pic Mistanb international PIC Morgan Stanley (acupe Sir, Frankurt Morgan Stanley (acu), process Sir, Acu, Acu, Acu, Acu, Acu, Acu, Acu, Acu	X+ X+ X+	x x x x x x x x x x x x x x x x x x x	× ×	X X X X X X X X X X X X X X X X X X X	X + X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	X	×	X	X+ X	X+ X+ X+ X+ X+	x x x x x x x x x x x x x x x x x x x	5 2 2 3 1 1 2 8 8 3 7 13 11 12 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 2 2 3 3 3 1 1 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank inter dealer bank inter dealer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank customer bank inter dealer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Miruho Bank Morgan Stanley Monte del Paskh di Siena Mis Bank Municipal Bank National Bank of Greee Natius Nativest Markets Nordeautsche Landesbank Nordeautsche Landesbank Nordea Nove Ljubljanska Banka Novo Banco Nykredit Bank OTP Group PhilipCapital Pirarus Bank PKO Bank Polski PPB Banka Ralobank Ralfeisen Bank Royal Bank of Canada Scotlabank SEB Siaulig bankas Société Générale Svenska Handelsbanken Swedbank RBI Group Toronto-Dominion UBS	Mittabubi UFF Securities EMIA pic Mittabub international PEC Morgan Standey Ruspee Sit, Frankurt Morgan Standey R. Co. International PEC Banca Montre del Pasci del Siena S.A. Mittab Bank Naria Mittabub Standey R. Co. International PEC Banca Montre del Pasci del Siena S.A. Mittabub Bank Market Mittabub Bank Of Greece SA National Bank Of Same Same Same Same Same Same Same Same	X+ X+ X+ X+ X+	x x 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	x	X X X X X X X X X X X X X X X X X X X	X+ X+ X+	X	x x x x x x x x x x x x x x x x x x x	X	×	X	X+ X	X+ X+ X+ X+ X+	x	5 2 2 1 1 2 8 8 3 7 7 131 14 4 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Miruho Bank Morgan Stanley Monte del Paskhi di Siena Miris Bank Municipal Bank National Bank of Greece Nativis Nomura Norddeutsche Landesbank Nordea Nova Ljubljanska Banka Novo Banco Nykredit Bank Oberbank OTP Group PhilipCapital Piraeus Bank PKO Bank Polski Peraeus Bank Ralfelsen Bank Ralfelsen Bank Sociabank Siaulių bankas Sociabank SEB Siaulių bankas Societė Genėrale Svenska Handelsbanken Swedbank RBI Group Toronto-Dominion UBS Unicredit	Mittabulo IUF Securities EMIA pic Mittabu international PIC Morgan Standey Ruspee Sit, Frankurt Morgan Standey R. Co. International PIC Banca Montre del Pasci del Siena S.A. Mittab Bank Naria Mittabulo Bank Of Creec SA National Bank Market SC National Bank Of Creec SA National Bank	X+ X+ X+ X+ X+	x x x x x x x x x x x x x x x x x x x	× × × × × × × × × × × × × × × × × × ×	X X X X X X X X X X X X X X X X X X X	X+ X+ X+	X+ X X X X X X X X X X X X X X X X X X	x	X	×	X X X X X X X X X X X X X X X X X X X	x+ x	X+ X	x	5 2 2 3 1 1 2 8 8 3 7 11 11 12 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Mizuho Bank Morgan Stanley Monte del Paskhi di Siena Miss Bank Municipal Bank National Bank of Greece Natatis National Bank of Greece Natatis Nativest Markets Normura Norddeutsche Landesbank Nordea Nova Ljubljanska Banka Novo Banco Nykredit Bank Oherbank OTP Group Philipcapital Piraeus Bank PKO Bank Polski Postbank Ralfeisen Bank Roval Banka Scotiabank Stell Siaulių bankas Societé Générale Svenska Handelsbanken Swedbank RBI Group Toronto-Dominion UBS UniCredit Volksbank Intesa Sanpaolo	Mittablo IUF Securities EMIA pic Mittablo IUF Securities CAN pic Mittablo IUF Securities CAN pick Morgan Stanley & Co. International PIC Banca Notrote del Pack del Siens S.A. Mittablo Bank AD Mittablo Bank AD Mittablo Bank AD National Bank Of Creece SA National Bank Securities CAN National Bank Mittablo Securities CAN National	X+ X	x x x x x x x x x x x x x x x x x x x	* * * * * * * * * * * * * * * * * * *	X X X X X X X X X X X X X X X X X X X	X++ X+ X+ 15		x x x x x x x x x x x x x x x x x x x	X	× × × × × × × × × × × × × × × × × × ×	X	x x x x x x x x x x x x x x x x x x x	* *** *** *** *** *** *** ** **	x	5 2 2 3 1 1 2 8 8 3 7 11 11 12 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1		2 1 1 1 1 1 1 1 1 1	bank customer bank inter dealer bank customer bank inter dealer bank customer bank inter dealer bank customer	bank customer bank inter dealer bank customer bank inter dealer bank customer bank customer bank customer bank inter dealer bank customer	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	



Disclaimer

The HRF table is intended for general information only and is not intended to be and should not be relied upon as being legal , financial, investment, tax, regulatory business or other professional advice. AFME does not represent or warrant that the table is accurate, suitable or complete and none of AFME, or its respective employees shall have any lability airing from, or relating to, the use of this HFF table or its contents. Your receipt of this document is subject to paragraphs 3, 4, 5, 9, 10, 11 and 13 of the Terms of Use which are applicable to AFME's website (avail able at his high surface) and of the top propose of such Terms of Use, this document shall be considered a "Material" (regardless of whether you have received or accessed it via AFME's website or otherwise).

The HRF table may be subject to change upon feedback from DMOs.