

Participants BIC	Participant's company name	Participation type
AABAFI22XXX	Bank of Aland Plc	1
AACSDE33XXX	Sparkasse Aachen	1
AARBDE5WXXX	Aareal Bank AG	1
ABCADEFFXXX	Arab Banking Corporation SA Zweigniederlassung Frankfurt	1
ABCOFRPPXXX	ARAB BANKING CORPORATION	2
ABCOITMMXXX	ABC INTERNATIONAL BANK PLC MILAN MILANO	2
ABGRDEFFXXX	PIRAEUS BANK A.E., Athen Zweigniederlassung Frankfurt am Main	1
ABKBDEB1XXX	ABK Allgemeine Beamten Bank AG	2
ABKBDEBBXXX	ABK Allgemeine Beamten Bank AG	1
ABKLCY2NXXX	ALPHA BANK CYPRUS LIMITED	1
ABNABE2AIDJ	ABN AMRO II N.V.	2
ABNABE2AIPC	ABN AMRO II N.V.	2
ABNANL2AXXX	ABN AMRO BANK NV	1
ABNCNL2AISA	ABN AMRO CLEARING BANK N.V.	1
ABNCNL2AXXX	ABN AMRO CLEARING BANK N.V.	1
ABOCDEFFXXX	Agricultural Bank of China Limited Frankfurt Branch	1
ACTVPTPLXXX	BANCO ACTIVOBANK, S.A.	2
ADYBNL2AXXX	ADYEN B.V.	1
AEBAGRAAXXX	Aegean Baltic Bank S.A..	1
AEGONL2U100	AEGON BANK	1
AEGONL2UXXX	AEGON BANK NV	1
AFFAATWWXXX	Oesterreichische Bundes- finanzierungsagentur	2
AFRIFRPPXXX	BOA-FRANCE	1
AGBACZPPXXX	MONETA Money Bank, a.s.	1
AGBLLT2XXXX	LUMINOR BANK AS LITHUANIAN BRANCH	1
AGBMDEMMTGT	Airbus Bank GmbH	1
AGBMDEMMXXX	Airbus Bank GmbH	2
AGFBFRCCXXX	ALLIANZ BANQUE S.A	2
AGFBFRPPXXX	ALLIANZ BANQUE SA	1
AGFOFR21XXX	AGENCE FRANCE LOCALE	1
AGRIFRP1ACF	CA CONSUMER FINANCE	2
AGRIFRP1EFG	CREDIT AGRICOLE LEASING ET FACTORING	2
AGRIFRPP802	CRCAM NORD EST	2
AGRIFRPP810	CRCAM CHAMPAGNE BOURGOGNE	2
AGRIFRPP812	CRCAM NORD MIDI PYRENEES	2
AGRIFRPP813	CRCAM ALPES PROVENCE	2

Participants BIC	Participant's company name	Participation type
AGRIFRPP817	CRCAM CHARENTE MARITIME DEUX SEVRES	2
AGRIFRPP820	CRCAM CORSE	2
AGRIFRPP822	CRCAM DES COTES D'ARMOR	2
AGRIFRPP824	CRCAM CHARENTE PERIGORD	2
AGRIFRPP825	CRCAM FRANCHE COMTE	2
AGRIFRPP829	CRCAM FINISTERE	2
AGRIFRPP831	CRCAM TOULOUSE 31	2
AGRIFRPP833	CRCAM AQUITAINE	2
AGRIFRPP835	CRCAM LANGUEDOC	2
AGRIFRPP836	CRCAM ILLE ET VILAINE	2
AGRIFRPP839	CRCAM SUD RHONE ALPES	2
AGRIFRPP844	CRCAM VAL DE FRANCE	2
AGRIFRPP845	CRCAM LOIRE HAUTE-LOIRE	2
AGRIFRPP847	CRCAM ATLANTIQUE VENDEE	2
AGRIFRPP848	CRCAM CENTRE LOIRE	2
AGRIFRPP860	CRCAM MORBIHAN	2
AGRIFRPP861	CRCAM LORRAINE	2
AGRIFRPP866	CRCAM NORMANDIE	2
AGRIFRPP867	CRCAM NORD DE FRANCE	2
AGRIFRPP868	CRCAM CENTRE FRANCE	2
AGRIFRPP869	CRCAM PYRENEES GASCOGNE	2
AGRIFRPP871	CRCAM SUD MEDITERRANEE	2
AGRIFRPP872	CRCAM ALSACE VOSGES	2
AGRIFRPP878	CRCAM CENTRE EST	2
AGRIFRPP879	CRCAM ANJOU MAINE	2
AGRIFRPP881	CRCAM DES SAVOIE	2
AGRIFRPP882	CRCAM PARIS ILE DE FRANCE	2
AGRIFRPP883	CRCAM NORMANDIE SEINE	2
AGRIFRPP887	CRCAM BRIE ET PICARDIE	2
AGRIFRPP891	CRCAM PROVENCE COTE D'AZUR	2
AGRIFRPP894	CRCAM DELA TOURAINE ET DU POITOU	2
AGRIFRPP895	CRCAM CENTRE OUEST	2
AGRIFRPPXXX	CREDIT AGRICOLE S.A.	1
AGRIGPGXXXX	CRCAM GUADELOUPE	2
AGRIMQMXXXX	CRCAM MARTINIQUE GUYANE	2
AGRIPLRXXX	CREDIT AGRICOLE BANK      POLSKA SA	1

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AGRIRERXXX	CRCAM LA REUNION	2
AGRKMTMTXXX	AGRIBANK PLC	1
AHBKNL2GXXX	ACHMEA BANK	1
AIBKIE2DXXX	ALLIED IRISH BANKS PLC	1
AKBCDE31XXX	Santander Consumer Bank AG	2
AKBKDEFFXXX	AKBANK AG	1
AKBKMTMTXXX	AKBANK T.A.S. MALTA	2
AKFBDE31XXX	akf bank GmbH u. Co.KG Friedrichstr. 51 42105 Wuppertal	2
AKFBDE33XXX	akf bank GmbH u. Co. KG	1
AKROITMMXXX	BANCA AKROS SPA	2
ALBADKKKXXX	ARBEJDERNES LANDESBANK	1
ALBPPLPWXXX	ALIOR BANK S.A.	1
ALCLESMMXXX	BANCO ALCALA, S.A.	1
ALETITMMXXX	BANCA ALETTI E C SPA MILANO	2
ALLFESMMXXX	ALLFUNDS BANK S.A.	1
ALPEAT22XXX	Alpenbank AG	2
ALTEDEF1XXX	ALTE LEIPZIGER Bauspar AG .	2
ALTEDEFAXXX	ALTE LEIPZIGER Bauspar AG	1
ANCOCY2NXXX	ANCORIA BANK LTD	1
ANDLNL2AXXX	ANADOLUBANK NEDERLAND NV	1
ANHODE77XXX	Bankhaus Anton Hafner KG	2
APKEFIHHXXX	Euroclear Finland - Infinity	1
APSBMTMTXXX	APS BANK LTD BKARA	1
ARABDEFFXXX	Europe Arab Bank SA, Niederlassung Frankfurt	1
AREBESMMXXX	ARESBANK, S.A.	1
ARSPBE22XXX	Argenta Spaarbank NV	1
ARTCITR1XXX	ARTIGIANCASSE S.P.A. ROMA	2
ASBNL21XXX	ASN BANK N.V.	2
ASPAT2LXXX	Allgemeine Sparkasse OÖe AG	1
ATHCGRA1XXX	ATHEXClear S.A..	1
ATTIGRAAXXX	ATTICA BANK S.A..	1
AUDIFRPPXXX	BANK AUDI FRANCE	2
AUGBDE71NET	Augsburger Aktienbank AG (Netbank)	2
AUGBDE77XXX	Augsburger Aktienbank AG.	1
AUSKDEFFXXX	AKA Ausfuhrkredit-Gesellschaft mbH	1
AXABBE22XXX	Axa Bank Belgium SA	1

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AXABDE31XXX	Fondsdepot Bank GmbH	2
AXABDE3KXXX	Fondsdepot Bank GmbH	1
AXABFRPPMAR	AXA BANQUE	2
AXABFRPPXXX	AXA BANQUE S.A.	2
AYGBESMMXXX	AyG BANCO, S.A.	1
AZZBITT3XXX	BANCO DI CREDITO P.AZZOAGLIO S.P.A	1
BAAADK21XXX	TOTALBANKEN	2
BACAESMMXXX	ANDBANK ESPANA, S.A.	1
BACALULLXXX	ANDBANC (Luxembourg) s.a. LUXEMBOURG	1
BACAMCMCXXX	ANDBANC MONACO SAM	2
BACPFRPPAMS	LCH CLEARNET SA ACTIVITY	1
BACPFRPPCLI	LCh. CLEARNET SA FCM CLIENT	1
BACPFRPPTG2	LCH CLEARNET SA	1
BACPFRPPUSC	LCH CLEARNET SA - CLEARED SWAPS CDSFCM CUSTOMER AC	1
BACRIT22XXX	CREDITO EMILIANO SPA	1
BACXCZPPXXX	UNICREDIT BANK CZECH REPUBLIC, A.S.	2
BACXHUHBXXX	UNICREDIT BANK HUNGARY ZRT	2
BACXROBUXXX	UniCredit Bank S.A.	1
BACXSI22XXX	UNICREDIT BANKA SLOVENIJA D.D.	1
BAERDEF1XXX	Bank Julius Baer Deutschland AG	2
BAERLULUXXX	Bank Julius Baer Europe S.A.	1
BAFUITRRXXX	BANCA DEL FUCINO S.P.A. ROMA	1
BAIPPTPLXXX	Banco BAI Europa, S.A	1
BAKOSI2XXXX	Banka Intesa Sanpaolo, d. d.	1
BALLDK21XXX	SPAREKASSEN BALLING	2
BAOFESM1XXX	BANCOFAR, S.A	2
BAOSATWWXXX	Bausparkasse der oesterr. Sparkassen	1
BAPAPTPLXXX	BANCO PRIVADO ATLANTICO - EUROPA, S.A.	1
BAPPIT22XXX	BANCO BPM S.P.A. MILANO	1
BAPUES22XXX	BANCA PUEYO, S.A.	1
BARBBEBBXXX	Bank of Baroda	2
BARCDEFFXXX	Barclays Bank Ireland PLC Frankfurt Branch	1
BARCDEHAXXX	Barclays Bank Ireland PLC Hamburg Branch	2
BARCITMMBKO	BARCLAYS BANK PLC BKO	2
BASKES2BXXX	KUTXABANK, S.A.	1
BATIFRP1XXX	BANQUE DU BATIMENT ET DES TRAVAUX PUBLICS BTP BANQUE	2

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BAWAATWXXXX	BAWAG P.S.K. Bank fuer Arbeit und Wirtschaft und Oesterreichische Postsparkasse AG	1
BBCOGGSPXXX	NORTHERN TRUST (GUERNSEY) LIMITED	2
BBPIPTPLXXX	BANCO BPI,SA	1
BBPPLULLXXX	BANQUE DE PATRIMOINES PRIVES S.A.	1
BBRODK21XXX	SPAREKASSEN BREDEBRO	2
BBRUBEBB010	ING Belgium NV/SA	1
BBSPDE6KXXX	Deutsche Bausparkasse Badenia AG	1
BBVAESMMXXX	BANCO BILBAO VIZCAYA ARGENTARIA S.A	1
BBVAPTPLXXX	BBVA PORTUGAL, S.A.	2
BCCAESMMXXX	BANCO DE CREDITO SOCIAL COOPERATIVO, S.A.	1
BCDMBEBBXXX	Banque Chaabi du Maroc SA	2
BCDMDEF1XXX	Banque Chaabi du Maroc S.A. Zweigniederlassung Deutschland	1
BCDMFRPPXXX	BANQUE CHAABI DU MAROC	2
BCEELULLXXX	BANQUE ET CAISSE D'EPARGNE DE L'ETAT LUXEMBOURG	1
BCHAFR21XXX	BANQUE CHALUS	2
BCIBFRP1XXX	BANQUE CHABRIERES	2
BCIRLULLXXX	BANKING CIRCLE S.A.	1
BCITIE2DXXX	INTESA SANPAOLO	2
BCITITMMXXX	INTESA SANPAOLO SPA MILANO	1
BCLSD21XXX	Bankhaus C. L. Seeliger Lange Herzogstr. 63 38300 Wolfenbuettel	2
BCLSD22XXX	Bankhaus C. L. Seeliger	1
BCLXLULLASP	BCL ASP ACCOUNT BANQUE CENTRALE DU LUXEMBOURG	1
BCLXLULLDLT	BCL CBDC TOKENISED BOND	1
BCLXLULLXXX	Banque centrale du Luxembourg	1
BCMAFRPPXXX	ATTIJARIWAFI BANK EUROPE	2
BCOESMM001	CAJA RURAL DE ALMENDRALEJO	2
BCOESMM005	CAJA RURAL CENTRAL, S.C.C.	2
BCOESMM007	CAJA RURAL DE GIJON, SOCIEDAD COOPERATIVA ASTURIANA DE CREDITO	2
BCOESMM008	CAJA RURAL DE NAVARRA, S.C.C.	2
BCOESMM009	CAJA RURAL DE EXTREMADURA, S.C.C.L.	2
BCOESMM016	CAJA RURAL DE SALAMANCA, S.C.C.	2
BCOESMM017	CAJA RURAL DE SORIA, S.C.C.	2
BCOESMM018	C.R. REGIONAL FUENTE ALAMO	2
BCOESMM020	CAJA RURAL DE UTRERA, S.C.A.L.C.	2
BCOESMM023	CAJA RURAL DE GRANADA, S.C.C.	2
BCOESMM059	CAJA RURAL DE ASTURIAS, S.C.C.	2

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BCOESMM060	CAJA RURAL DE BURGOS, C.C	2
BCOESMM067	C.R. DE JAEN, BARCELONA Y MADRID,S.C.C.	2
BCOESMM070	CAIXA RURAL GALEGA, S.C.C.L.G.	2
BCOESMM076	CAJASIETE, CAJA RURAL, SOCIEDAD COOPERATIVA DE CREDITO	2
BCOESMM080	CAJA RURAL DE TERUEL, S.C.C.	2
BCOESMM085	CAJA RURAL DE ZAMORA,C.C.	2
BCOESMM089	CR NTRA.SRA.GUADALUPE DE BAENA, S.C.A.C.	2
BCOESMM096	CAIXA RURAL DE L'ALCUDIA. S.C.V.C.	2
BCOESMM098	CAJA RURAL DE NUEVA CARTEYA, SOCIEDAD COOPERATIVA ANDALUZA DE CREDITO	2
BCOESMM104	CAJA RURAL CANETE DE LAS TORRES NTRA. SENORA DEL CAMPO, S.C.A.C.	2
BCOESMM111	C.R. DE LA VALL SAN ISIDRO, S.C.C.V	2
BCOESMM113	CR SAN JOSE DE ALCORA. S.C.C.V.	2
BCOESMM115	C.R. NTRA. MADRE DEL SOL DE ADAMUZ,S.C.A.C.	2
BCOESMM117	CAIXA RURAL D'ALGEMESI, S.C.V.C.	2
BCOESMM127	CAJA RURAL DE CASAS IBANEZ, S.C.C.A	2
BCOESMM130	C.R. SAN JOSE DE ALMASSORA S.C.C.V	2
BCOESMM134	C.R.NTRA.SRA.ESPERANZA DE ONDA, S.C.C.V.	2
BCOESMM138	RURALNOSTRA, SOCIEDAD COOPERATIVA DE CREDITO VALENCIANA	2
BCOESMM140	CAJA RURAL DE GUISSONA	2
BCOESMM144	CAJA RURAL DE VILLAMALEA, S.C.C.A.	2
BCOESMM150	CAJA RURAL DE ALBAL, C.C.V.	2
BCOESMM159	CAIXA POPULAR, S.C.C.V.	2
BCOESMM162	CAIXA RURAL BENICARLO, S.C.C.V.	2
BCOESMM166	C.R. LES COVES DE VINROMA, S.C.C.V.	2
BCOESMM174	CAIXA RURAL VINAROS, S.C.C.V.	2
BCOESMM187	CAJA RURAL DEL SUR S.C.C.	2
BCOESMM190	CAJA RURAL DE ALBACETE, CIUDAD REALY CUENCA, S.C.C. (GLOBALCAJA)	2
BCOESMM191	CAJA RURAL DE ARAGON, S.C.C.	2
BCOESMMXXX	BANCO COOPERATIVO ESPANOL, SA	1
BCOMPTPLXXX	BANCO COMERCIAL PORTUGUES, S.A.	1
BCPCIT2PXXX	BANCA DI PIACENZA SOCIETA' COOPERATIVA PER AZIONI	1
BCPTITNNXXX	BANCA DI CREDITO POPOLARE	1
BCVAIT2VXXX	BANCA VALSABBINA SCPA	1
BCYPCY2NXXX	BANK OF CYPRUS PUBLIC COMPANY LIMITED	1
BDBDIT22XXX	BANCO DI DESIO E DELLA BRIANZA SPA	1
BDCAFRPPXXX	Banque des Caraibes	2

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BDCPITTTXXX	BANCA DEL PIEMONTE	1
BDEIFRPPXXX	BANQUE FIDUCIAL	2
BDFEFR2TCC1	BDF CORE(FR) CMP FGC	1
BDFEFR2TCP1	BDF CORE (FR) CMP GI	1
BDFEFR2TXXX	Banque de France - RTGS Account	1
BDIGPTPLXXX	BANCO DE INVESTIMENTO GLOBAL, S.A.	1
BDWBDEMMXXX	Baader Bank AG	1
BEDFESM1XXX	BANCO EUROPEO DE FINANZAS, S.A.	2
BEFFDEB1XXX	Quirin Bank AG	2
BEGODEHHXXX	Joh. Berenberg, Gossler u. Co KG	1
BEILLULLXXX	EUROPEAN INVESTMENT BANK (EIB)	1
BELADEBEXXX	Landesbank Berlin AG	1
BEMOLULLXXX	BEMO EUROPE BANQUE PRIVEE	2
BERLMCMCXXX	BANQUE DE GESTION EDMOND DE ROTHSCHILD MONACO	2
BESAPTPAXXX	BANCO ESPIRITO SANTO ACORES, S.A.	2
BESCPTPLXXX	NOVO BANCO, S. A.	1
BESZPTPLXXX	BEST - BANCO ELECTRONICO DE SERVICOTOTAL, S.A.	2
BEVODEBBXXX	Berliner Volksbank eG	2
BFBKFRP1XXX	BFORBANK.	2
BFCORERXXX	BANQUE FRANCAISE COMMERCIALE DE L'OCEAN INDIEN	2
BFERROBUXXX	TECHVENTURES BANK S.A.	1
BFIAPTPLXXX	BANCO FINANTIA, SA	1
BFIVESBBXXX	BANCO MEDIOLANUM, S.A.	1
BFKKAT2KXXX	BKS Bank AG	1
BFKKHR22XXX	BKS BANK AG, GLAVNA PODRUZNICA HRVATSKA	1
BFKKS122XXX	BKS Bank AG, bancna podružnica	1
BFKKSBBXXX	BKS Bank AG, pobočka zahranicnej banky	1
BFRILI22XXX	Bank Frick and Co. AG	1
BFSWDE33BER	Bank fuer Sozialwirtschaft AG	2
BFSWDE33DRE	Bank fuer Sozialwirtschaft Dresden	2
BFSWDE33HAN	Bank fuer Sozialwirtschaft Hannover	2
BFSWDE33KRL	Bank f. Sozialwirtschaft Karlsruhe	2
BFSWDE33LPZ	Bank fuer Sozialwirtschaft Leipzig	2
BFSWDE33MAG	Bank f. Sozialwirtschaft Magdeburg	2
BFSWDE33MNZ	Bank fuer Sozialwirtschaft AG Mainz	2
BFSWDE33MUE	Bank f. Sozialwirtschaft, Muenchen	2

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BFSWDE33STG	Bank f.Sozialwirtschaft, Stuttgart	2
BFSWDE33XXX	Bank fuer Sozialwirtschaft AG	1
BGALPTTGDET	BANCO DE PORTUGAL - RTGS ACC - DET (DET-EMISSAO E TESOURARIA)	1
BGALPTTGMGS	Conta de Garantia SICOI      Guarantee Account	1
BGALPTTGPTP	BANCO DE PORTUGAL      Collateral Management - PT Parties	1
BGALPTTGSSB	Banco de Portugal (SSB)	1
BGALPTTGXXX	BANCO DE PORTUGAL      RTGS ACCOUNT	1
BGENATWWXXX	Generali Bank AG	1
BGENIT2TXXX	BANCA GENERALI SPA	1
BGFIFRPPXXX	BGFIBANK EUROPE	1
BGLLLULLXXX	BGL BNP PARIBAS	1
BGUSBGSFXXX	BULGARIAN-AMERICAN CREDIT BANK JSC	1
BHFBDEFF500	ODDO BHF SE	1
BHFBDEFFFUG	ODDO BHF SE	1
BHFBDEFFWER	ODDO BHF SE	1
BHLSDEM1XXX	Bankhaus Ludwig Sperrer KG .	2
BHLSDEMMXXX	Bankhaus Ludwig Sperrer KG	1
BHWBDE2HXXX	BHW Bausparkasse AG	2
BHYPDEB2XXX	Berlin Hyp AG	1
BIARFRPPXXX	BANQUE BIA	2
BICFRPPXXX	BANQUE INTERNATIONALE DE COMMERCE	2
BICKNL2AXXX	BINCKBANK N.V	1
BIGBPLPWXXX	BANK MILLENNIUM S.A.	1
BIGKEE2BXXX	BIGBANK	1
BIGTIE2DXXX	BANK OF IRELAND TREASURY	1
BILLLULLXXX	BANQUE INTERNATIONALE      A LUXEMBOURG S.A.	1
BIMTITTTXXX	BANCA INTERMOBILIARE SPA	2
BITAITRRXXX	BANCA D'ITALIA	1
BIWBDE33XXX	flatexDEGIRO Bank AG	1
BJSBMCMXXX	BANQUE J. SAFRA SARASIN (MONACO) SA	2
BKAUATWWXXX	UniCredit Bank Austria AG	1
BKBKESMMXXX	BANKINTER, S.A.	1
BKBKPTPLXXX	BANKINTER SA SUCURSAL EM PORTUGAL	1
BKCHDEFFXXX	Bank of China Limited      Zweigniederlassung Frankfurt am      Main Frankfurt Branch	1
BKCHFRPPXXX	BANK OF CHINA Limited	2
BKCHITMMXXX	BANK OF CHINA MILAN BRANCH	2

Participants BIC	Participant's company name	Participation type
BKCHNL2RXXX	BANK OF CHINA (EUROPE) S.A. ROTTERDAM BRANCH	2
BKIDFRPPXXX	BANK OF INDIA	2
BKMGNL2AXXX	BANK MENDES GANS	1
BKMZDE51XXX	Bausparkasse Mainz AG	1
BKRAITMMXXX	ALLIANZ BANK FINANCIAL ADVISORS SPA	1
BLFLATWWXXX	LGT Bank AG Zweigniederlassung Oesterreich	1
BLGWNL21XXX	BLG WONEN	2
BLJCPTPTXXX	Banco L. J. Carregosa, S.A.	1
BLOMFRPPBDF	BANQUE BANORIENT FRANCE	1
BLOMFRPPXXX	BLOM BANK FRANCE	2
BLPIIT21XXX	IW Bank Piazzale Fratelli Zavattari 12 2014Milano	2
BLUXLULLXXX	BANQUE DE LUXEMBOURG	1
BMARES2MXXX	BANCA MARCH, S.A.	1
BMCEESMMXXX	BANK OF AFRICA EUROPE, S.A.	1
BMCEFRPPXXX	BMCE Bank International Succursale de Paris	2
BMECLULLXXX	BANQUE BCP S.A.	2
BMISFRPPXXX	BANQUE MISR	2
BMMMFRCPXXX	ROTHSCHILD MARTIN MAUREL	1
BMPBBEBBVOD	AION SA	1
BMWBDDEMXXXX	BMW Bank GmbH	1
BNAGBEBBXXX	NAGELMACKERS	1
BNBGBGSFXXX	Bulgarian National Bank	1
BNFIPTPLXXX	BISON BANK, SA	1
BNGHNL2GXXX	BNG BANK N.V.	1
BNGRGRAAXXX	Bank of Greece	1
BNICPTPLXXX	Banco de Negocios Internacional (Europa), SA	1
BNIFMTMTXXX	BNF BANK PLC GZIRA	1
BNLIITRRXXX	BANCA NAZIONALE DEL LAVORO SPA	1
BNPAFRPPXXX	BNP PARIBAS SA	1
BNUGFR21XXX	SOCIETE GENERALE (EX BANQUE NUGER)	2
BNYMDEFXXXX	The Bank of New York Mellon SA/NV Asset Servicing Niederlassung Frankfurt	1
BOBJDK21XXX	BORBJERG SPAREKASSE	2
BOFADEFXXXX	Bank of America Europe Designated Activity Company ZweigniederlassungFrankfurt am Main	1
BOFAFRP3XXX	Bofa Securities Europe SA	1
BOFAIE3XXXX	Bank of America Europe Designated Activity Company	2
BOFMIE2DXXX	BANK OF MONTREAL EUROPE PLC	1

Participants BIC	Participant's company name	Participation type
BOFSDEB1XXX	Lloyds Bank GmbH	2
BOFSDEF1XXX	Lloyds Bank GmbH	2
BOFSNL21002	LLOYDS BANK GMBH.	2
BOTKFRPXXXX	MUFG Bank, Ltd. Paris Branch	1
BOTKNL2XXXX	MUFG BANK (EUROPE) N.V.	1
BOURDEFFXXX	COMMERZBANK Aktiengesellschaft	1
BOUSFRPPXXX	BOURSORAMA	2
BPAAIT2BXXX	BANCA POPOLARE DELL'ALTO ADIGE	1
BPBAIT3BXXX	BANCA POPOLARE DI BARI	1
BPBIBGSFXXX	EUROBANK BULGARIA AD	1
BPCEFRPPXXX	BPCE	1
BPCPLULLXXX	BANQUE DE COMMERCE ET DE PLACEMENTS SA LUXEMBOURG	2
BPDMIT3BXXX	BANCA POPLARE DI PUGLIA E BASILICATA SCPA	1
BPGPPTPLXXX	BANCO PORTUGUES DE GESTAO, S.A.	1
BPIPPTPLXXX	BANCO PORTUGUES DE INVESTIMENTO, SA	2
BPKOPLPWXXX	POWSZECHNA KASA OSZCZEDNOSCI BANK POLSKI S.A.	1
BPKOSKB2XXX	PKO BP S.A.	1
BPLCFRPPXXX	BARCLAYS BANK PLC (French Branch)	1
BPLZIT3VXXX	BANCA POPOLARE DEL LAZIO SCPA	1
BPMOIT22XXX	BPER Banca S.p.A.	1
BPMOLULSXXX	BANCA POPOLARE DELL'EMILIA ROMAGNA (EUROPE) INTERNATIONAL	2
BPNPPTPLXXX	BANCO BIC PORTUGUES, S.A.	1
BPOLPFTPXXX	BANQUE DE POLYNESIE	2
BPOTBEBEXXX	bpost bank n.v./s.a.	1
BPPCSKB1XXX	BNP PARIBAS PERSONAL FINANCE SA, pobočka zahraničnej banky	1
BPPIITRRXXX	POSTE ITALIANE S.P.A.	1
BPPUIT33XXX	BANCA POPOLARE PUGLIESE S.C.P.A.	1
BPSMFRPPXXX	BANQUE BCP	2
BPTTITMMXXX	BANCA PROGETTO SPA PIAZZA ARMANDO DIAZ 1 MILANO	1
BRASATWWXXX	Banco do Brasil Aktiengesellschaft	1
BRASDEFFXXX	Banco do Brasil S.A. Zweigniederlassung Frankfurt/Main	1
BRASFRPPXXX	BANCO DO BRASIL AG	1
BRASPTPLXXX	BANCO DO BRASIL AG - SUC. EM PORTUGAL	1
BRDEROBUXXX	BRD	2
BREDFRPPXXX	BRED Banque Populaire	1
BRELROBUXXX	Libra Internet Bank S.A.	1

Participants BIC	Participant's company name	Participation type
BREXPLPWXXX	mBank S.A.	1
BREXSKBXXX	mBank S.A., pobočka zahraničnej banky	1
BRGEFRPPXXX	BRED GESTION	2
BRSLDK21XXX	BROAGER SPAREKASSE	2
BSABESBBXXX	BANCO DE SABADELL, S.A.	1
BSABFRPPXXX	BANCO DE SABADELL	2
BSABPTPLXXX	Banco de Sabadell, S.A. Sucursal em Portugal	2
BSAOFR21XXX	BANQUE SAINT OLIVE	2
BSAVFR2CXXX	BANQUE DE SAVOIE	2
BSCHBEBBXXX	Santander Consumer Finance Succursale en Belgique	2
BSCHDEFFXXX	Banco Santander S.A. Filiale Frankfurt	1
BSCHESMMXXX	BANCO SANTANDER S.A.	1
BSISITMMXXX	BANCA SISTEMA SPA MILANO	1
BSLJSI2XFNB	Banka Slovenije special NCB account for money market and foreign exchange only	1
BSLJSI2XXXX	Banka Slovenije	1
BSLOSK22XXX	Privatbanka	1
BSPFFRPPXXX	BANQUE PALATINE	2
BSSSESM2XXX	CACEIS BANK SPAIN, S.A.	2
BSSWATWWXXX	Schelhammer Capital Bank AG	1
BSUIDEFFXXX	CALYON FRANCFORT	2
BSUIESMMXXX	CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK, SUCURSAL EN ESPANA	1
BSUIFIHHXXX	CREDIT AGRICOLE CORPORATE AND INVESTMENT BANK HELSINKI BRANCH	2
BSUIFRPPXXX	CREDIT AGRICOLE CIB	1
BSUIITMMXXX	CREDIT AGRICOLE CIB-MILAN MILANO	2
BSUILULLXXX	CACEIS BANK LUXEMBOURG BRANCH	1
BSWLDE6LXXX	Wuestenrot Bausparkasse AG	1
BTEJFRP1XXX	BANK TEJARAT SUCCURSALE DE PARIS	1
BTRLRO22XXX	Banca Transilvania S.A.	1
BTVAAT22XXX	Bank fuer Tirol und Vorarlberg A.G.	1
BTVADE61XXX	Bank fuer Tirol und Vorarlberg AG	2
BUCUROBUXXX	Alpha Bank Romania S.A.	1
BUINBGSFXXX	ALLIANZ BANK BULGARIA AD	1
BUNQNL2AXXX	BUNQ B.V.	1
BVDHDEMMXXX	Bankhaus von der Heydt GmbH u. Co. KG	1
BYBBBEBBXXX	BYBLOS BANK EUROPA SA	2
BYLADEMMXXX	Bayerische Landesbank	1

Participants BIC	Participant's company name	Participation type
CAAHATW2XXX	CCP Austria - Abwicklungsstelle fuer Boersengeschaefte GmbH	1
CADPITRRXXX	CASSA DEPOSITI E PRESTITI S.P.A.	1
CAGLESMMVIG	ABANCA CORPORACION BANCARIA, S.A.	1
CAIXDEFFXXX	CAIXABANK S.A. Zweigniederlassung Deutschland	2
CAIXESBBXXX	CAIXABANK, S.A.	1
CAIXFRPPXXX	CAIXABANK SA Succursale France	2
CAIXLULLXXX	CAIXABANK WEALTH MANAGEMENT LUXEMBOURG S.A.	2
CARNDKKKXXX	CARNEGIE INVESTMENT BANK BRANCH OF CARNEGIE INVESTMENT BANK	1
CARPRO22XXX	PATRIA BANK S.A.	1
CASDESBBXXX	ARQUIA BANK, S.A.	1
CASRIT22XXX	CASSA DI RISPARMIO DI ASTI	1
CAZRES2ZXXX	IBERCAJA BANCO, S.A.	1
CBBRLV22XXX	BluOr Bank AS	1
CBCYCY2NXXX	CENTRAL BANK OF CYPRUS	1
CBPXLULLXXX	COMPAGNIE DE BANQUE PRIVEE	2
CBSBLT26XXX	AB SIAULIU BANKAS	1
CBVILT2XXXX	SEB BANK	1
CCBPFRPPBDX	BANQUE POPULAIRE AQUITAINE CENTRE ATLANTIQUE	2
CCBPFRPPCAS	CASDEN BANQUE POPULAIRE	2
CCBPFRPPDJN	BANQUE POPULAIRE BOURGOGNE FRANCHE COMTE	2
CCBPFRPPGRE	BANQUE POPULAIRE AUVERGNE RHONE ALPES	2
CCBPFRPPLIL	BANQUE POPULAIRE DU NORD	2
CCBPFRPPMAR	BANQUE POPULAIRE MEDITERRANEE	2
CCBPFRPPMTG	BANQUE POPULAIRE RIVES DE PARIS	2
CCBPFRPPMTZ	BANQUE POPULAIRE ALSACE LORRAINE CHAMPAGNE	2
CCBPFRPPNAN	BANQUE POPULAIRE GRAND OUEST	2
CCBPFRPPPPG	BANQUE POPULAIRE DU SUD	2
CCBPFRPPTLS	BANQUE POPULAIRE OCCITANE	2
CCBPFRPPVER	BANQUE POPULAIRE VAL DE FRANCE	2
CCBPFRPPXXX	BANQUES POPULAIRES - BPCE GROUP	2
CCBPMCM1XXX	BPCA MONACO	2
CCCHTP1XXX	CAIXA DE CREDITO AGRICOLA MUTUO DA CHAMUSCA, C.R.L.	2
CCCMPTPLXXX	CAIXA CENTRAL DE CREDITO AGRICOLA MUTUO	1
CCEGITRR001	CASSA COMPENSAZIONE E GARANZIA SPA ROMA	1
CCEGITRR010	CASSA COMP. E GARANZIA SPA MIC	1
CCEGITRR020	CASSA COMP. E GARANZIA SPA TIT	1

Participants BIC	Participant's company name	Participation type
CCEGTRRXXX	CASSA COMPENSAZIONE E GARANZIA D ROMA	1
CCFRFRPPXXX	HSBC CONTINENTAL EUROPE	1
CCIFFRPPXXX	CAISSE CENT CRT IMMOB FRANCE - 3CIF	1
CCMLFR21XXX	CREDIT MUNICIPAL DE LYON	2
CCMNFR21XXX	CREDIT MUNICIPAL DE NIMES	2
CCMRFR21XXX	CAISSE DE CREDIT MUNICIPAL DE MARSEILLE	1
CCMTFR21XXX	CREDIT MUNICIPAL DE NANTES	2
CCOCESMMXXX	BANCO CAMINOS S.A.	1
CCOPFRPPXXX	CREDIT COOPERATIF	2
CCPHHR22001	SKDD-CCP Smart Clear d.d.	1
CCPHHR22XXX	SKDD-CCP Smart Clear d.d.	1
CCPLLULLXXX	ENTREPRISE DES POSTES ET TELECOMMUNICATIONS	2
CCRALULLXXX	BANQUE RAIFFEISEN S.C.	1
CCRIES2A029	CAJA DE CREDITO DE PETREL, CAJA RURAL C.C.V	2
CCRIES2A045	CAIXA RURAL ALTEA, CCV	2
CCRIES2A095	C.R. SAN ROQUE DE ALMENARA, SCCV	2
CCRIES2A102	CAJA RURAL DE SAN VICENTE VALL D UIXO S.C.C.V.	2
CCRIES2A105	CAIXA RURAL DE CALLOSA D EN SARRIA CCV	2
CCRIES2A110	CAJA RURAL CATOLICO AGRARIA S.C.C.	2
CCRIES2A112	C.R. SAN JOSE DE BURRIANA, SCCV	2
CCRIES2A118	CAIXA RURAL TORRENT, CCV	2
CCRIES2A119	C.R. S.JAIME ALQUERIAS NINO PERDIDOSCCV	2
CCRIES2A121	CAJA RURAL DE CHESTE, SOCIEDAD COOPERATIVA DE CREDITO VALENCIANA	2
CCRIES2A123	CAIXA RURAL DE TURIS, C.C.V	2
CCRIES2A135	C.R. SAN JOSE DE NULES, SCCV	2
CCRIES2A152	CAJA RURAL DE VILLAR, CCV	2
CCRIES2A157	C.R. LA JUNQUERA DE CHILCHES, SCC	2
CCRIES2A160	CAIXA RURAL SANT JOSEP DE VILAVELLASCCV	2
CCRIES2A165	C.R. SAN ISIDRO DE VILAFAMES, SCCV	2
CCRIES2A179	CAJA RURAL DE ALGINET, SCCV	2
CCRIES2AXXX	CAJAMAR CAJA RURAL, SOCIEDAD COOPERATIVA DE CREDITO	1
CCRTIT2TXXX	CASSA CENTRALE BANCA - CREDITO COOPERATIVO DEL NORD EST SPA TRENTO	1
CCUTFR21XXX	CREDIT MUNICIPAL DE TOULON	2
CDCGFRPPXXX	CAISSE DES DEPOTS ET CONSIGNATIONS	1
CDCTPTP2XXX	CAIXA DE CREDITO AGRICOLA MUTUO DE LEIRIA, CRL	1
CDENESBBXXX	C.C. INGENIEROS S.C.C.	1

Participants BIC	Participant's company name	Participation type
CDOTPTPPXXX	CAIXA DE CREDITO AGRICOLA MUTUO DE MAFRA, CRL	1
CECAESMM045	C.A.M.P. DE ONTINYENT	1
CECAESMM056	COLONYA - C.D'ESTALVIS DE POLLENSA	1
CECAESMMXXX	CECABANK, S.A.	1
CECBBGSFXXX	CENTRAL COOPERATIVE BANK PLC	1
CECEROBUXXX	CEC Bank S.A.	1
CEDELULLERF	CLEARSTREAM BANKING SA LUX FOR EGCP	1
CEDELULLLGT	CLEARSTREAM BANKING S.A. LGT FOR EGCP LUXEMBOURG	1
CEDELULLLOM	CLEARSTREAM BANKING S.A. LOM FOR EGCP LUXEMBOURG	1
CEDELULLXXX	CLEARSTREAM BANKING SA	1
CEKOSKBXXXX	CESKOSLOVENSKA OBCHODNA BANKA A.S.	1
CELLLULLXXX	ING LUXEMBOURG S.A.	1
CEMAPTP2XXX	CAIXA ECONOMICA DA MISERICORDIA DE ANGRA DO HEROISMO, CAIXA ECONOMICA BANCARIA, SA	1
CENBATWWXXX	Raiffeisen Digital Bank Aktiengesellschaft	2
CENBSKB1XXX	Raiffeisen Centrobank AG Slovak Branch, pobočka zahranicnej banky	1
CEPAFRPP131	CAISSE D'EPARGNE CEPAC	2
CEPAFRPP142	CAISSE D'EPARGNE NORMANDIE	2
CEPAFRPP213	CAISSE D'EPARGNE BOURGOGNE FRANCHE COMTE	2
CEPAFRPP313	CAISSE D'EPARGNE DE MIDI PYRENEES	2
CEPAFRPP333	CAISSE D'EPARGNE AQUITAINE POITOU CHARENTES	2
CEPAFRPP348	CAISSE D'EPARGNE DU LANGUEDOC ROUSSILLON	2
CEPAFRPP382	CAISSE D'EPARGNE RHONE-ALPES	2
CEPAFRPP426	CAISSE D'EPARGNE LOIRE DROME ARDECHE	2
CEPAFRPP444	CAISSE D'EPARGNE BRETAGNE-PAYS DE LOIRE	2
CEPAFRPP450	CAISSE D'EPARGNE LOIRE CENTRE	2
CEPAFRPP513	CAISSE D'EPARGNE LORRAINE CHAMPAGNE ARDENNE	2
CEPAFRPP627	CAISSE D'EPARGNE ET DE PREVOYANCE HAUTS DE FRANCE	2
CEPAFRPP751	CAISSE D'EPARGNE ILE DE FRANCE	2
CEPAFRPP831	CAISSE D'EPARGNE COTE D'AZUR	2
CEPAFRPP871	CAISSE D'EPARGNE D'Auvergne ET LIMOUSIN	2
CEPAMCM1XXX	CAISSE D'EPARGNE ET DE PREVOYANCE COTE D'AZUR - AGENCE DE MONACO	2
CERTPTP1XXX	CAIXA DE CREDITO AGRICOLA MUTUO DO BOMBARRAL,CRL	2
CFFOFRPPXXX	COMPAGNIE DE FINANCEMENT FONCIER	1
CFFRFRPPXXX	CREDIT FONCIER DE FRANCE	2
CFIUITR1XXX	CREDITO FONDIARIO E INDUSTRIALE SPA ROMA	2
CFMOMCMXXXX	CFM INDOSUEZ WEALTH	2

Participants BIC	Participant's company name	Participation type
CGCPFRPLXXX	COMPAGNIE GENERALE DE CREDIT AUX PARTICULIERS - CREDIPAR	1
CGDIFRPPXXX	CAIXA GERAL DE DEPOSITOS Succursale France	2
CGDIPTPLXXX	CAIXA GERAL DE DEPOSITOS, S.A.	1
CHASDEFXXXX	J.P. Morgan SE	1
CHDBDEHHXXX	Donner u. Reuschel AG	2
CHDUFRPPXXX	CHOLET DUPONT	2
CIPBITMMXXX	BFF BANK S.p.A	1
CITCNL2AXXX	CITCO BANK NEDERLAND N.V.	1
CITFCZPPXXX	CITFIN SPORITELNI DRUZSTVO	2
CITIATWXXXX	CITIBANK EUROPE PLC AUSTRIA BRANCH	2
CITIBEBXXXX	CITIBANK EUROPE PLC BELGIUM BRANCH	2
CITIDE55XXX	CITIBANK N.A. NEW YORK FRANKFURT BRANCH	2
CITIDEFFXXX	CITIBANK EUROPE PLC, GERMANY BRANCH	2
CITIFRPPXXX	CITIBANK EUROPE PLC FRANCE BRANCH	2
CITIGRAASEC	Citibank Europe Public Limited. Company Greece Branch Athens	1
CITIGRAAXXX	Citibank Europe Public Limited Company Greece Branch	2
CITIIE2XXXX	CITIBANK EUROPE PLC Dublin/Ireland	1
CITIITMXXXX	CITIBANK MILANO NA	2
CITINL2XXXX	CITIBANK EUROPE PLC NETHERLANDS BRANCH	2
CITIPLPXXXX	BANK HANDLOWY W WARSZAWIE SA	2
CITIPTPXXXX	CITIBANK EUROPE PLC SUCURSAL EM PORTUGAL	2
CIVIIT2CXXX	BANCA DI CIVIDALE S.C.P.A.	1
CLPEES2MXXX	CAJA LABORAL POPULAR C.C.	1
CMBCLULLXXX	CHINA MERCHANTS BANK CO LTD	2
CMBMMCMXXXX	COMPAGNIE MONEGASQUE DE BANQUE	2
CMBRFR2BSCF	ARKEA PUBLIC SECTOR SCF	1
CMBRFR2BSFH	ARKEA HOME LOANS SFH	1
CMBRFR2BXXX	CREDIT MUTUEL ARKEA	1
CMCIEDDDXXX	TARGOBANK AG	1
CMCIESMMXXX	TARGOBANK	1
CMCIFRPACCM	CREDIT MUTUEL - CAISSE CENTRALE	1
CMCIFRPAXXX	BFCM PARIS (CM-CIC group)	1
CMCIFRPPXXX	CIC PARIS (CM-CIC group)	1
CMMDMCM1XXX	CREDIT MOBILIER DE MONACO	2
CMPYITM1XXX	COMPASS SPA	2
CMROFR21XXX	CREDIT MUNICIPAL DE ROUBAIX	2

Participants BIC	Participant's company name	Participation type
CMUBFR21XXX	CREDIT MUNICIPAL DE BOULOGNE- SUR-MER	2
CNFSFR21XXX	IC Financial Services S.A. SERVICES SAS	1
CNORLULXXXX	NORTHERN TRUST GLOBAL SERVICES SE SENNINGERBERG	1
COBADEFFXXX	COMMERZBANK Aktiengesellschaft	1
COESGR21XXX	COOPERATIVE BANK OF CENTRAL. MAKEDONIA	1
COFIFRCPXXX	EDMOND DE ROTHSCHILD (FRANCE)	1
COKSDE33XXX	Kreissparkasse Koeln	1
COLSDE33XXX	Sparkasse KoelnBonn	1
COMMDEFFXXX	Bank of Communications Co.,Ltd	1
COPRATWWXXX	Liechtensteinische Landesbank (Oesterreich) AG	1
COURFR2TXXX	SOCIETE GENERALE (EX BANQUE COURTOIS)	2
CPBIFRPPXXX	LOOMIS FX, GOLD AND SERVICES	2
CPHBBE75XXX	CPH Banque scrl	2
CPLADE55XXX	TARGOBANK AG	1
CPLUDES2XXX	CreditPlus Bank AG	1
CPMEFRPPXXX	BPIFRANCE	1
CRACIT33XXX	BANCA CAMBIANO 1884 S.P.A.	1
CRBAGRAAXXX	Alpha Bank S.A.	1
CRBZIT2BXXX	CASSA DI RISPARMIO DI BOLZANO SPA BOLZANO	1
CRDRIT2FXXX	SOLUTION BANK SPA	2
CREGBEBBXXX	CBC BANQUE	2
CRESESM2XXX	CREDIT SUISSE BANK (EUROPE), S.A	1
CRESESMXXX	CREDIT SUISSE AG, S.E.	1
CRESITMMXXX	CREDIT SUISSE ITALY SPA	1
CRESLULLXXX	CREDIT SUISSE (LUXEMBOURG) S.A.	1
CRESLULXXX	CREDIT SUISSE AG LUXEMBOURG BRANCH	2
CREXBGSFXXX	TOKUDA BANK AD	1
CRFEIT3FXXX	CASSA DI RISPARMIO DI FERMO S.P.A.	1
CRLYBEBBXXX	Calyon	2
CRLYFRPPXXX	CREDIT LYONNAIS	1
CRNPFRP1XXX	LBP CREDIT ENTREPRISES	2
CROAHR2XXXX	CROATIA BANKA DD	1
CROPITRRXXX	DEXIA CREDIOP SPA ROMA	1
CRPPIT2PXXX	Credit Agricole Italia S.p.A. PARMA	1
CRRAIT2RXXX	CASSA DI RISPARMIO DI RAVENNA SPA RAVENNA	1
CRRHFRPAXXX	CRH - CAISSE DE REFINANCEMENT DE L'HABITAT	1

Participants BIC	Participant's company name	Participation type
CRVOIT3VXXX	CASSA DI RISPARMIO DI VOLTERRA SPA VOLTERRA	1
CRXBMTMTXXX	CREDORAX BANK LIMITED VALLETTA	1
CSCAFR21XXX	CREDIT MUNICIPAL D'AVIGNON	2
CSDLLT22577	Nasdaq CSD SE Lithuanian branch	1
CSDSSKBAXXX	CDCP SR, a.s.	1
CSFBDEFFXXX	Credit Suisse (Deutschland) AG	1
CSPIPMPMXXX	CREDIT SAINT PIERRAIS	2
CSURES2CXXX	CAJASUR BANCO, S.A.	1
CTIUPTPPXXX	CAIXA DE CREDITO AGRICOLA MUTUO DE TORRES VEDRAS, CRL	1
CTTVPTPLXXX	BANCO CTT, S.A.	1
CXBIPTPLXXX	CAIXA-BANCO DE INVESTIMENTO, S.A.	1
CYDBCY2NXXX	THE CYPRUS DEVELOPMENT BANK PUBLIC COMPANY LIMITED	1
DAAEDED401	Deutsche Apotheker- und Aerztebank eG	1
DAAEDEDXXX	Deutsche Apotheker- und Aerztebank eG	2
DABADKKKXXX	DANSKE BANK	1
DABAFIHHXXX	DANSKE BANK A/S, Finland branch	1
DABAIE2DXXX	Danske Bank	1
DABALULLXXX	DANSKE BANK INTERN.	2
DABANO22XXX	FOKUS BANK	2
DABAPLPWXXX	DANSKE BANK , POLAND BRANCH	2
DABASESXXX	DANSKE BANK AS, SVERIGE FILIAL	2
DAKOFIHHXXX	Danske Mortgage Bank Plc	1
DAKVDEFFCMS	Clearstream Banking AG w/ CMS	1
DAKVDEFFFTT	Clearstream Banking Aktiengesellschaft	1
DAKVDEFFTSY	Clearstream Banking AG	1
DAKVDEFFXXX	Clearstream Banking AG	1
DANBDK22XXX	DANSKE ANDELKASSERS BANK	1
DEBKDE51XXX	Debeka Bausparkasse AG	2
DEFFDEFFXXX	C24 Bank GmbH	1
DEGRBEBBXXX	Banque Degroof SA	2
DEGRULULLXXX	BANQUE DEGROOF PETERCAM LUXEMBOURG S.A.	1
DEGUDEFFXXX	Degussa Bank AG	1
DELBDE33XXX	ABN AMRO Bank N.V. Frankfurt Branch	1
DELEBE22XXX	Bank Delen NV	2
DELELULLXXX	BANQUE DELEN LUXEMBOURG SA	2
DELUFR22LCH	BANQUE DELUBAC ET CIE	1

Participants BIC	Participant's company name	Participation type
DEMIBGSFXXX	D COMMERCE BANK AD	1
DEPDDEM617	VZ VermoegensZentrum Bank AG	1
DEUTATWWXXX	Deutsche Bank AG Filiale Wien	2
DEUTBEBEXXX	Deutsche Bank AG Fil. Brussels Brussels	2
DEUTDEFFXXX	Deutsche Bank AG	1
DEUTESBBXXX	Deutsche Bank S.A.E	2
DEUTFRPPXXX	DEUTSCHE BANK AG	2
DEUTLULLXXX	DEUTSCHE BANK LUXEMBOURG SA	2
DEUTNL2AXXX	DEUTSCHE BANK AG	2
DEUTNL2NXXX	DEUTSCHE BANK AG	2
DEUTPTPLXXX	Deutsche Bank AG Portugal Branch	2
DGZFDEFFXXX	DekaBank Deutsche Girozentrale	1
DGZFLULIXXX	DEKABANK DEUTSCHE GIROZENTRALE NIEDERLASSUNG LUXEMBOURG	2
DHBNNL2RXXX	DEMIR-HALK BANK (NEDERLAND) N.V.	1
DISFFRPPXXX	RBC INVESTOR SERVICES BANK FRANCE	2
DJURDK22XXX	DJURSLANDS BANK	1
DKNBDKKKXXX	DANMARKS NATIONALBANK	1
DNBADEHXXX	DNB Bank ASA Filiale Deutschland	1
DNBAFIHXXX	DnB Bank ASA, filial Finland	1
DNIBNL2GXXX	NIBC BANK N.V.	1
DOBADEF1XXX	VTB Bank (Austria) AG Niederlassung Deutschland Frankfurt	2
DOSPAT2DXXX	Dornbirner Sparkasse Bank AG	1
DRAGDK21XXX	DRAGSHOLM SPAREKASSE	2
DRBKDEHAXXX	start:bausparkasse AG	1
DSTANL2ACCP	DE STAAT DER NEDERLANDEN, HANDELENDONDER DE NAAM HET AGENTSCHAP VAN DE GENERALE THESAURIE	1
DSTANL2AXXX	DUTCH STATE TREASURY AGENCY	1
DTABDED1AUS	KfW (formerly Deutsche Ausgleichs bank) Ausbildungsfoerderung	2
DTABDED1XXX	KfW (formerly Deutsche Ausgleichsbank)	2
DUSSEDDXXX	Stadtsparkasse Duesseldorf	1
DVKBDEFFXXX	DZ Bank AG	2
DWPBDEFFXXX	Deutsche WertpapierService Bank AG	1
DXMAFRPPXXX	CAISSE FRANCAISE DE FINANCEMENT LOCAL	1
EBOSPLPWXXX	Bank Ochrony Srodowiska S.A.	1
EBSGDEMXXXX	European Bank for Financial Services GmbH (ebase)	1
EBSIIE2DXXX	EBS Designated Activity Company	1
ECBFDEFF002	Collection of TARGET2-ECB fees	1

Participants BIC	Participant's company name	Participation type
ECBFDEFFBAC	ECB - BACK OFFICE Kaiserstrasse 29 Frankfurt am Main	1
ECBFDEFFINF	ECB - INTERNAL FINANCE Kaiserstrasse 29 Frankfurt am Main	1
ECBFDEFFSSM	ECB - SINGLE SUPERVISORY MECHANISM Sonnemannstrasse 20 Frankfurt am Main	1
ECMSBEBBCCB	NBB Collateral Manager	1
ECOCFRPPBDF	EBI S.A	1
EDEKDEHHXXX	EDEKABANK AG	2
EEPKLULLXXX	COMMERZBANK FINANCE AND COVERED BOND SA	2
EEUHEE2XXXX	AS SEB Pank	1
EEXCDE8LAPX	European Commodity Clearing AG	1
EEXCDE8LIN1	European Commodity Clearing AG	1
EEXCDE8LIN2	European Commodity Clearing AG	1
EEXCDE8LIN3	European Commodity Clearing AG	1
EEXCDE8LIN4	European Commodity Clearing AG	1
EEXCDE8LIN5	European Commodity Clearing AG	1
EEXCDE8LIN7	European Commodity Clearing AG	1
EEXCDE8LIN8	European Commodity Clearing AG	1
EEXCDE8LIN9	European Commodity Clearing AG	1
EEXCDE8LXXX	European Commodity Clearing AG, Sicherungsguthaben	1
EFGBLULXXXX	EFG BANK	2
EGNAROBXXXX	VISTA BANK (Romania) S.A.	1
EHBAT2EXXX	Hypo-Bank Burgenland AG	1
EIEGDEB1XXX	EIS Einlagensicherungsbank GmbH	1
EIHBDE21XXX	Europaeisch-Iranische Handelsbank AG	1
EIHBDEHHXXX	Europaeisch-Iranische Handelsbank AG	1
EKRDEE22XXX	COOP PANK	1
EMCFNL2ACAP	CBOE CLEAR EUROPE N.V.	1
EMCFNL2ACLF	CBOE CLEAR EUROPE N.V.	1
EMCFNL2ACOL	CBOE CLEAR EUROPE N.V.	1
EMCFNL2AEQD	CBOE CLEAR EUROPE N.V.	1
EMCFNL2AIOF	CBOE CLEAR EUROPE N.V.	1
EMCFNL2ASEA	CBOE CLEAR EUROPE N.V.	1
EMCFNL2ASPR	CBOE CLEAR EUROPE N.V.	1
EMCFNL2AXXX	CBOE CLEAR EUROPE N.V.	1
ENCHGRAAASI	ENEX CLEARING HOUSE Single Member S.A.	1
ENCHGRAAXXX	EnEx Clearing House Single Member S.A.	1
ENIBBEBBXXX	BANQUE ENI SA	1

Participants BIC	Participant's company name	Participation type
EPBEEE2XTGT	EESTI PANK	1
ERBKCY2NXXX	EUROBANK CYPRUS LTD	2
ERBKGRAAXXX	Eurobank.	1
ERFBDE8EXXX	Volksbank Thueringen Mitte eG	2
ERSVES22XXX	EUROCAJA RURAL, SCC	1
ESBCHR22XXX	ERSTE AND STEIERMARKISCHE BANK DD	1
ESBKATWWXXX	DenizBank AG	1
ESBKDEFFXXX	DenizBank (Wien) AG            Zweigniederlassung Frankfurt	1
ESCBFRPPBDF	BANQUE D'ESCOMPTE	1
ESESBEBBCPE	EUROCLEAR BELGIUM CROSS PENALTY	1
ESESBEBBIAC	EUROCLEAR BELGIUM - PM	1
ESESBEBBIAD	EUROCLEAR BELGIUM PM	1
ESESBEBBPEN	EUROCLEAR BELGIUM PENALTY	1
ESESBEBBSCC	Euroclear Belgium -PM	1
ESESBEBBT2X	Euroclear Belgium PM	1
ESEFRPPBIL	EUROCLEAR FRANCE -BIL	1
ESEFRPPCBF	EUROCLEAR FRANCE-PM-CBF	1
ESEFRPPCPE	EUROCLEAR FRANCE -            CROSS PENALTY	1
ESEFRPPFTT	EUROCLEAR FRANCE - FTT	1
ESEFRPPIBR	EUROCLEAR FRANCE -PM - IBR	1
ESEFRPPMTI	EUROCLEAR FRANCE-PM-MTI	1
ESEFRPPNBB	EUROCLEAR FRANCE-PM-NBB	1
ESEFRPPNTX	EUROCLEAR FRANCE -PM-NTX	1
ESEFRPPPEN	EUROCLEAR FRANCE PENALTY	1
ESEFRPPT2X	EUROCLEAR FRANCE - PM	1
ESESNL2ACPE	EUROCLEAR NEDERLAND CROSS PENALTY	1
ESESNL2APEN	EUROCLEAR NEDERLAND PENALTY	1
ESESNL2AT2X	EUROCLEAR NEDERLAND.	1
ESPESMMXXX	Banco de Espana	1
ESSEDE5FXXX	DSK Hyp AG	2
ESSEDEFFXXX	Skandinaviska Enskilda Banken AB (publ) Frankfurt Branch	1
ESSEFIHXXX	Skandinaviska Enskilda Banken AB (publ) Helsinki Branch	1
ESSIESMMXXX	HAITONG BANK, S.A., SUCURSAL EN ESPANA	1
ESSIPTPLXXX	HAITONG BANK, S.A.	1
ETHNCY2NXXX	NATIONAL BANK OF GREECE (CYPRUS) LTD	2
ETHNGRAAXXX	National Bank of Greece S.A.	1

Participants BIC	Participant's company name	Participation type
ETICES21XXX	BANCA POPOLARE ETICA, Scpa, S.E.	2
EUAAATWWXXX	EURAMBANK AG	1
EUBAITM1XXX	CREDEM - EUROMOBILIARE PRIVATE BANK	2
EUEBLT22XXX	EUROPEAN MERCHANT BANK UAB	1
EURBBE99XXX	EUROPABANK	1
EUXCDEFFBUY	Eurex Clearing AG	1
EUXCDEFFXXX	Eurex Clearing AG	1
EVOBESMMXXX	EVO BANCO S.A.U. C/ SERRANO,45-1 28001 MADRID	1
EVSEFIHHXXX	Fellow Bank Plc	1
EWUBLULLXXX	EAST-WEST UNITED BANK S.A.	1
EXANFRPPXXX	EXANE SA	1
EXIMROBUXXX	Banca de Export Import a Romaniei- EXIMBANK S.A.	1
EXPNCZPPXXX	Max banka a.s.	1
EXSKSKBXXX	EXIMBANKA SR	1
FAANDK21XXX	FASTER ANDELSKASSE	2
FAELDKK1XXX	ANDELSKASSEN FAELLESKASSEN	2
FAITDE66XXX	Bankhaus J. Faisst OHG	1
FASLDK21XXX	FANOE SPAREKASSE	2
FASNESM1XXX	BFF BANK, S.P.A. S.E.	2
FBCOPTPPXXX	MONTEPIO INVESTIMENTO, SA	2
FBHLNL2AXXX	CREDIT EUROPE BANK N.V. KARSPELDREEF 6A NL-1101 CJ AMSTERDAM	1
FCMFM TMTXXX	FCM BANK LTD ST JULIANS	1
FDBADE3KXXX	Ford Bank Niederlassung der FCE Bank plc	1
FDBADE8FXXX	Ford Bank GmbH	1
FDDODEMMXXX	Fidor Bank AG	1
FEMUFR21BDF	BANQUE FRANCAISE MUTUALISTE	1
FEMUFR21XXX	BANQUE FRANCAISE MUTUALISTE	2
FETALULLTSY	RBC Investor and Treasury Services Bank S.A. Treasury Account	1
FETALULLXXX	RBC INVESTOR SERVICES BANK SA	1
FFBKDEFFKRN	FIL Fondsbank GmbH	2
FFBKDEFFTHK	FIL Fondsbank GmbH	2
FFBKDEFFXXX	FIL Fondsbank GmbH	1
FIBKITMMXXX	FIDEURAM INTESA SANPAOLO PRIVATE BANKING SPA	2
FICUITTTXXX	SANTANDER CONSUMER BANK S.P.A.	1
FIFBFOTXXX	FOROYA BANKI	2
FIMBMTM3XXX	FIMBank p.l.c	1

Participants BIC	Participant's company name	Participation type
FINVBGSFXXX	FIRST INVESTMENT BANK AD	1
FIOBCZPPXXX	Fio banka, a.s.	1
FIOFESM1XXX	BANCO FINANTIA, S.A., SUCURSAL EN ESPANA	1
FIOZSKBAXXX	Fio banka, a.s. pobočka zahraničnej banky Bratislava	1
FISPLU22XXX	FIS Privatbank S.A.	2
FLESDMMXXX	Bankhaus Max Flessa KG	2
FLGMDE77XXX	Bankhaus Obotritia GmbH	1
FLORN2ACAC	DNB CB CUSTOMER ACCOUNTS	1
FLORN2ACUR	DNB CASH OPERATIONS CASH OPERATIONS AMSTERDAM	1
FLORN2AEUR	DNB GAR GARANTIE STELSLS	1
FLORN2AFEB	DNB ACCOUNTING ACCOUNTING DEPARTMENT AMSTERDAM	1
FLORN2AFEX	DE NEDERLANDSCHE BANK FM INVESTMENT OPERATIONS AMSTERDAM	1
FLORN2AXXX	DE NEDERLANDSCHE BANK NV EURO OPERATIONS AMSTERDAM	1
FMBKDEMMXXX	CACEIS Bank, Germany Branch	1
FNNBROBUXXX	Credit Europe Bank (Romania) S.A.	1
FODBDE77XXX	Fondsdepot Bank GmbH	1
FRAFFRPPXXX	FRANSABANK (FRANCE) SA	2
FROSK21XXX	FROES HERREDS SPAREKASSE	2
FURUDEFXXX	futurum bank AG	1
FVLBBE22XXX	F. VAN LANSCHOT BANKIERS BELGIE NV	2
FVLBNL22XXX	VAN LANSCHOT KEMPEN NV	1
FZNFDEF1XXX	Kereskedelmi Bank Zrt.	1
GABLDE71XXX	Gabler-Saliter Bankgeschaeft AG	2
GABLDE7GXXX	Gabler-Saliter Bankgeschaeft AG	2
GAZPLULLXXX	BANK GPB INTERNATIONAL S.A.	1
GBGCPLPKXXX	VeloBank S.A.	1
GBWCPLPPXXX	SGB-BANK S.A.	1
GEBABEBBXXX	BNP Paribas Fortis SA/NV	1
GECFFRPPXXX	GE SCF	1
GENODE61APP	Volksbank eG	1
GENODEDDXXX	DZ BANK AG Deutsche Zentral- Genossenschaftsbank	1
GENODEF1BCY	Volksbank in Schaumburg und Nienburg eG	1
GENODEF1BVB	BVB Volksbank, Ndl. d. Frankfurter Volksbank eG	2
GENODEF1HMX	Volksbank Hameln-Stadthagen eG	1
GENODEF1MU2	VR Bank Westthueringen eG	2
GENODEF1S08	Sparda-Bank West eG	2

Participants BIC	Participant's company name	Participation type
GENODEF1S15	Augsburger Aktienbank AG (netbank)	2
GENODEF1WBZ	Raiffeisenbank Heilsbronn-WindsbacheG	1
GENODEFFXXX	DZ Bank AG	1
GENODES1FDY	Volksbank eG im Kreis Freudenstadt	1
GENOLULLXXX	DZ PRIVATBANK S.A.	1
GIBAATWGXXX	Erste Group Bank AG	1
GIBAATWWXXX	Erste Bank der oesterr. Sparkassen AG	2
GIBASKBXXXX	Slovenska sporitelna a.s.	1
GILLNL2AXXX	QUINTET PRIVATE BANK (EUROPE) S.A.	1
GKCCBEBBXXX	Belfius Bank	1
GOLDDEFAXXX	Goldman Sachs Bank Europe SE	1
GORESI2XXXX	Gorenjska banka d.d., Kranj	1
GOSKPLPWXXX	BANK GOSPODARSTWA KRAJOWEGO	1
GPBAFRPPXXX	ORANGE BANK	1
GREBDEHHXXX	Grenke Bank AG	1
GRENLGXXXX	GROENLANDSBANKEN	2
GVCBESBBETB	GVC GAESCO VALORES S.V., S.A.	1
HAABAT2KXXX	Austrian Anadi Bank AG	1
HAABHR22XXX	ADDIKO BANK DD	1
HAABSI22XXX	ADDIKO BANK D.D.	1
HABAE2XXXX	SWEDBANK AS	1
HABALT22XXX	SWEDBANK AB	1
HABALV22XXX	AS Swedbank	1
HABBBEBBXXX	Habib Bank Ltd	2
HALLDE2HXXX	M.M.Warburg + CO (AG + Co) KGaA	2
HANDDKKKXXX	HANDELSBANKEN	2
HANDFIHHXXX	Svenska Handelsbanken Ab (julk) Branch Operation in Finland	1
HANDLULBXXX	Svenska Handelsbanken AB (publ) Luxembourg Branch	2
HANDNL2AXXX	SVENSKA HANDELSBANKEN AB (PUBL)	1
HANDNOKKXXX	Svenska Handelsbanken AB (publ) Oslo Branch	2
HANDESSXXX	Svenska Handelsbanken AB (publ.)	1
HASPDEHHXXX	Hamburger Sparkasse AG	1
HAUKDEFXXX	Hauck Aufhaeuser Lampe Privatbank AG	1
HAVLLULLXXX	BANQUE HAVILLAND S.A.	1
HAVLMCMXBDF	BANQUE HAVILLAND (MONACO) SAM	1
HCHANL2AXXX	ICE CLEAR NETHERLANDS B.V.	1

Participants BIC	Participant's company name	Participation type
HCHANL2BXXX	ICE CLEAR NETHERLANDS BV.	1
HCSDGRAAASI	Hellenic Central Securities Depository S.A.	1
HCSDGRAAXXX	Hellenic Central Securities. Depository S.A.	1
HCSEDEF1XXX	Hyundai Capital Bank Europe GmbH	1
HCSEITM2XXX	Hyundai Capital Bank Europe GmbH Italy	1
HDELSI22XXX	DELAVSKA HRANILNICA D.D.	1
HEBACY2NXXX	HELLENIC BANK PUBLIC COMPANY LTD	1
HELADEFFXXX	Landesbank Hessen-Thuringen Girozentrale	1
HELSEFIHXXX	Aktia Bank plc	1
HFICCY2NXXX	HOUSING FINANCE CORPORATION	2
HKVISI22XXX	PRIMORSKA HRANILNICA VIPAVA d.d.	1
HLBPFPPXXX	LA BANQUE POSTALE HOME LOAN SFH	1
HLONSI22XXX	HRANILNICA LON D.D., KRANJ KRANJ SLOVENIA	1
HPBZHR2XXXX	HRVATSKA POSTANSKA BANKA DD	1
HRBKDE51XXX	TARGOBANK AG	2
HSEEAT2KXXX	ADDIKO BANK AG	1
HSHNDEHHXXX	Hamburg Commercial Bank AG	1
HSTBDEHHXXX	Hanseatic Bank GmbH u. Co KG	1
HVBADK21XXX	HVIDBJERG BANK	2
HVBKDEFFXXX	Woori Bank Europe GmbH	1
HYPNATWWXXX	HYPO NOE Landesbank fuer Niederoesterreich und Wien AG	1
HYPTAT22XXX	Hypo Tirol Bank AG	1
HYPVAT2BXXX	Hypo Vorarlberg Bank AG	1
HYVEDEMMXXX	UniCredit Bank AG	1
IABGBGSFXXX	INTERNATIONAL ASSET BANK AD	1
IBBBDEBBXXX	Investitionsbank Berlin	1
IBBNEE21XXX	AS Inbank	1
IBKBDES1XXX	IBM Deutschland Kreditbank GmbH	1
IBKRIE2DRET	INTERACTIVE BROKERS IRELAND LIMITED	1
IBLBITRRXXX	ISTITUTO BANCARIO DEL LAVORO MILANO	1
IBLSPTPP101	INTERBOLSA-Soc.Gestora de Sistemas Liquidacao e Sistemas Centralizadosde Valores Mobiliarios, S.A.	1
IBLSPTPP998	INTERBOLSA -Soc. Gestora Sistemas Liquidacao e Sistemas Centralizadosde Valores Mobiliarios, S.A.	1
IBNBPTP1XXX	BANCO SANTANDER CONSUMER PORTUGAL,SA	2
IBOGGRAAXXX	Optima Bank S.A	1
ICBCFRPPXXX	MEGA INTERNATIONAL COMMERCIAL BANK CO LTD	1
ICBCNL2AXXX	MEGA INTERNATIONAL COMMERCIAL BANK CO. LTD	1

Participants BIC	Participant's company name	Participation type
ICBKATWWXXX	ICBC Austria Bank GmbH	1
ICBKDEFFXXX	Industrial and Commercial Bank of China Limited	1
ICBKFRPPXXX	INDUSTRIAL AND COMMERCIAL BANK OF CHINA (EUROPE) PARIS BRANCH	2
ICEUGB2LXXX	ICE Clear Europe Limited	1
ICICDEFFCLR	ICICI Bank UK Plc, Germany Branch	1
ICICDEFFXXX	ICICI Bank UK Plc, Germany Branch	1
ICONIE2DXXX	KBC BANK IRELAND PLC DUBLIN	2
ICRAITRRXXX	ICCREA BANCA	1
ICROESMMXXX	INSTITUTO DE CREDITO OFICIAL	1
IFISIT2VXXX	BANCA IFIS S.P.A.	1
IGCPPTPLXXX	Agencia de Gestao da Tesouraria e da Divida Publica - IGCP, E.P.E.	1
IIGBMTMTXXX	IIG Bank (Malta) Ltd	1
IKBDEDDXXX	IKB Deutsche Industriebank AG	1
ILBXDE81XXX	Investitionsbank des Landes Brandenburg	2
ILBXDE8XXXX	Investitionsbank des Landes Brandenburg	1
IMMODE5MXXX	Aareal Bank AG	2
IMPAITRRXXX	IMPREBANCA SPA	1
IMXXHR22XXX	IMEX BANKA D.D.	1
INBBESM1XXX	BANCO INDUSTRIAL DE BILBAO, S.A.	2
INDULT2XXXX	AS Citadele banka Lithuanian branch	1
INGBDEFFXXX	ING Bank, eine NL der ING-DiBa AG	1
INGBFR21XXX	ING BANK NV - ING BANK FRANCE	2
INGBHUHBXXX	ING BANK ZRT	2
INGBIE2DICM	ING BRANCH NV DUBLIN BRANCH	2
INGBITMMXXX	ING BANK N.V. MILAN BRANCH	1
INGBNL2AXXX	ING BANK N.V.	1
INGBPLPWXXX	ING BANK SLASKI S.A.	1
INGBSKBXXX	ING Bank N.V., Bratislava pobočka zahraničnej banky	1
INGDDEFFXXX	ING-DiBa AG	1
INGDESMMXXX	ING BANK N.V.S.E.	1
INIOPTP1XXX	Banco de Investimento Imobiliario SA	2
INNDNL2UXXX	EQUENSWORLDLINE NV	1
INVLESMMXXX	BANCO INVERDIS, S.A.	1
INVOATWWXXX	Kommunalkredit Austria AG	1
INVODEF2XXX	Kommunalkredit Austria AG Zweigstelle Deutschland	2
IORTBGSFXXX	INVESTBANK PLC	1

Participants BIC	Participant's company name	Participation type
IPAYESMMXXX	S. ESPANOLA DE SISTEMAS DE PAGO,S.A	1
IPBSIE2DXXX	Permanent TSB plc	1
IRCEIE2DAPS	Central Bank and Financial Services Authority of Ireland	1
IRCEIE2DIPC	CBFSAI - Irish Paper Clearing	1
IRVTDEFXXXX	The Bank of New York Mellon Filiale Frankfurt am Main	1
IRVTITMMXXX	The Bank of New York Mellon SA/NV Milan Branch	2
IRVTLULXXXX	BANK OF NEW YORK MELLON (LUXEMBOURG) S.A.	2
ISAEFRPPXXX	CACEIS Bank	1
ISBKDEFXXXX	ISBANK AG	1
ISBRDE55XXX	Investitions- und Strukturbank Rheinland-Pfalz (ISB) GmbH	1
ISKBHR2XXXX	ISTARSKA KREDITNA BANKA UMAG DD	1
ITAUPTPPXXX	BANCO ITAU BBA EUROPE S.A.	1
ITBBITMMXXX	BANCA 5 SPA MILANO	2
ITELFIHHXXX	CENTRAL BANK OF SAVINGS BANKS FINLAND PLC	1
IVALESMMXXX	INTERMONEY VALORES, S.V., S.A.	1
IVSEPLPPXXX	PLUS BANK S.A.	1
IVSTFRP1SMA	INVESTIMO.	1
IVSTFRP1XXX	INVESTIMO	2
IVVSPTPLXXX	BANCO INVEST, SA	1
JONBCY2IXXX	JORDAN AHLI BANK	1
JTBPCZPPXXX	J AND T BANKA, A.S.	1
JTBPSKBAXXX	J and T BANKA	1
JVBABE22XXX	BANK J VAN BREDA EN CO NV	1
JYBADEHHXXX	Jyske Bank A/S, Fil. Hamburg	1
JYBADKKKXXX	JYSKE BANK	1
KABANL2AXXX	YAPI KREDI BANK NEDERLAND NV	1
KALCHR2XXXX	KARLOVACKA BANKA DD	1
KBDUIE2DXXX	KBC BANK NV DUBLIN BRANCH	2
KBLXFRPPXXX	BANQUE RICHELIEU FRANCE	2
KBLXLULLXXX	QUINTET Private Bank (Europe) S.A.	1
KBLXMCMCXXX	BANQUE RICHELIEU MONACO	2
KBMAS12XXXX	NOVA KREDITNA BANKA MARIBOR D.D.	1
KBSPSKBXXXX	CSOB Stavebna sporitelna, a.s.	1
KCCPPLPWXXX	KDPW CCP SPOLKA AKCYJNA	1
KDDSSI22XXX	KDD d.d.	1
KDPWPLPWXXX	KRAJOWY DEPOZYT PAPIEROW WARTOSCIOWYCH S.A.	1

Participants BIC	Participant's company name	Participation type
KENBHR22XXX	KENTBANK DD	1
KEYTBEBBXXX	Keytrade Bank	2
KFWIDEFFXXX	Kreditanstalt fuer Wiederaufbau	1
KHMIDEM8XXX	Middle East Bank, Munich Branch	1
KHMIDEMMXXX	Middle East Bank, Munich Branch	1
KLIMDK21XXX	KLIM SPAREKASSE	2
KLRNSESXXX	Klarna Bank AB (publ)	1
KNABNL2HXXX	KNAB	1
KODBHUBBXXX	KDB Bank Hungary LTD	Budapest
KODBSKBXXX	KDB Bank Europe SK Branch	2
KOEXDEFAXX	KEB Hana Bank (D) Aktiengesellschaft	1
KOEXFRPPXXX	KEB HANA BANK PARIS BRANCH	2
KOEXNL2AXXX	KEB HANA BANK	AMSTELVEEN
KOLBFR21XXX	SOCIETE GENERALE (EX BANQUE KOLB)	2
KOMASK2XXXX	Prima banka Slovensko, a.s.	1
KOMBZPPXXX	KOMERCNI BANKA A.S.	2
KOMBSKBAXXX	KOMERCNI BANKA BRATISLAVA	2
KREDBEBBXXX	KBC Bank NV	1
KREDEDDXXX	KBC Bank N.V., Niederlassung Deutschland	2
KREDFRPPXXX	KBC BANK Succursale francaise	2
KREDITMMXXX	KBC BANK NV ITALIA	2
KREDNL2XXXX	KBC BANK N.V. NEDERLAND	2
KREZHR2XXXX	AGRAM BANKA DD	1
KRONDK22XXX	Spks Kronjylland	1
KRSADE55KTO	Kreissparkasse Saarlouis	1
KRSPPLPKXXX	KRAKOWSKI BANK	SPOLDZIELCZY
KSPKSI22XXX	BANKA SPARKASSE D.D.	1
KTAGDEFFXXX	KT BANK AG	1
KTBKATWWXXX	Bankhaus Kathrein u.Co Aktiengesellschaft	2
KUSRLT24XXX	MANO BANKAS AB	1
LACBLV2XXXX	LATVIJAS BANKA	1
LAMPDEDDXXX	Hauck Aufhaeuser Lampe Privatbank AG	2
LAPBLV2XXXX	LPB BANK	1
LAREDEFFXXX	Landwirtschaftliche Rentenbank	1
LAYDFR2WXXX	SOCIETE GENERALE (EX BANQUE LAYDERNIER)	2
LAZPFRCCXXX	LAZARD FRERES BANQUE	1

Participants BIC	Participant's company name	Participation type
LCHLGB2L307	LCH LIMITED AC307	1
LCHLGB2LXXX	LCH LIMITED NON SEG	1
LCKULT22XXX	LIETUVOS CENTRINE KREDITO UNIJA	1
LFFBDEMMXXX	LfA Foerderbank Bayern	1
LHVBEE22XXX	AS LHV PANK	1
LIABLT2XXXX	LIETUVOS BANKAS (BANK OF LITHUANIA)	1
LICOFRPPXXX	AL KHALIJI FRANCE S.A.	2
LJBASI2XXXX	NOVA LJUBLJANSKA BANKA D.D.	1
LKBWDE6KXXX	Landeskreditbank Baden-WuerttembergFoerderbank	1
LLBBLV2XXXX	Signet Bank AS	1
LOBADK21XXX	LOLLANDS BANK	2
LOCYBEBBXXX	LOMBARD ODIER EUROPE SA	1
LOCYFRPPXXX	LOMBARD ODIER EUROPE SA Succursale en France	2
LOCYLULLXXX	LOMBARD ODIER DARIER HENTSCH BELGIQUE SA LUXEMBOURG BRANCH LUXEMBOURG	2
LOEBDEBBXXX	M.M.Warburg + CO (AG + Co.) KGaA	2
LOMCITMMXXX	CASSA LOMBARDA S.P.A.	1
LOSADKKKXXX	LAN AND SPAR BANK	1
LOYDDEB2XXX	Lloyds Bank GmbH	2
LOYDDEBBXXX	Lloyds Bank plc Niederlassung Berlin	1
LPLNNL2ALPB	LEASEPLAN BANK	1
LPLNNL2AXXX	LEASEPLAN CORPORATION N.V.	1
LUBASKBXXX	Prima banka Slovensko, a.s.	1
LUXCLULLCPN	LuxCSD SA	1
LUXCLULLXXX	LuxCSD SA LUXEMBOURG	1
MALMTMTMTXXX	CENTRAL BANK OF MALTA	1
MANEHUHBXXX	Magyar Nemzeti Bank	1
MARBDE6GXXX	Bankhaus Gebr. Martin AG	1
MARKDEFFXXX	Deutsche Bundesbank	1
MBWMBEBBXXX	MeDirect Bank S.A.	1
MBWMMTMTXXX	MeDirect Bank Malta plc SLIEMA	1
MCENITRRXXX	MCC MEDIOCREDITO CENTRALE SPA ROMA	1
MCRDDEHHXXX	MARCARD, STEIN UND CO AG	2
MDBALT22XXX	UAB MEDICINOS BANKAS	1
MEBEDE6SDCB	Mercedes-Benz Bank AG	1
MEDBITMMXXX	BANCA MEDIOLANUM S.P.A.	1
MEFFESBBMRG	BME CLEARING, S.A.U. CUENTA DE FONDOS DE GARANTIA	1

Participants BIC	Participant's company name	Participation type
MEFFESBRRR	BME CLEARING, S.A. U./ COLATERAL	1
MEFFESBBVVV	BME CLEARING S.A.U. - CONTADO RENTA VARIABLE	1
MEFFESBBXXX	BME CLEARING, S.A.U. PROPIA	1
MEFIDEMM100	MERCK FINCK und CO PRIVATBANKIERS	2
MEFIDEMM200	MERCK FINCK und CO PRIVATBANKIERS	2
MEFIDEMM300	MERCK FINCK und CO PRIVATBANKIERS	2
MEFIDEMM501	MERCK FINCK und CO PRIVATBANKIERS	2
MEFIDEMM600	MERCK FINCK und CO PRIVATBANKIERS	2
MEFIDEMMXXX	MERCK FINCK und CO PRIVATBANKIERS	2
MEKUDK21XXX	MERKUR	2
MELIDE21XXX	Bank Melli Iran	1
MELIDEHHXXX	Bank Melli Iran	1
MELIFRP1XXX	BANK MELLI IRAN SUCCURSALE DE PARIS	1
METZDEFFXXX	B. Metzler seel. Sohn und Co. AG	1
MFCBMTMSXXX	MERKANTI BANK LIMITED	1
MGTCBEBEECL	Euroclear Bank SA / NV	1
MHBFDEFFXXX	Raisin Bank AG	1
MHBFPLPWXXX	BANK Dnb NORD Polska S.A. WARSZAWA	2
MHCBDEDDXXX	Mizuho Bank, Ltd. Filiale Duesseldorf	1
MHCBFRPPXXX	MIZUHO BANK, LTD	2
MHCBITMMXXX	MIZUHO CORPORATE BANK LTD MILAN MILANO	2
MHCBNL2AXXX	MIZUHO BANK EUROPE N.V.	1
MHSBDEHBXXX	Max Heinr. Sutor oHG	1
MHYPDEMMXXX	Muenchener Hypothekenbank eG	1
MIBEDEFFXXX	Misr Bank-Europe GmbH	1
MIDLFRPXXX	HSBC BANK PLC PARIS BRANCH	1
MIFINL2GXXX	DUTCH MINISTRY OF FINANCE	1
MINDROBUXXX	BANCA ROMANA DE CREDITE SI INVESTITII S.A.	1
MIROROBUXXX	ProCredit Bank S.A.	1
MISPDK21XXX	MIDDELFART SPAREKASSE	2
MKKBKDE51XXX	MMV Bank GmbH	1
MKGMDE51XXX	MCE Bank GmbH	2
MKKBHUHBXXX	MKB Bank Myrt Budapest	2
MLBKDEH1MUE	Muensterlaendische Bank Thie und Co	2
MMWHDEH1XXX	M.M. Warburg und Co Hypothekenbank AG	2
MNBIDE5MXXX	Bank of America N.A. Military Bank	1

Participants BIC	Participant's company name	Participation type
MNBIDEF1XXX	Bank of America N.A. Military Division, Kastel Storage Station Mainz-Kastel 55252	2
MOBQFR22XXX	MOBILIS BANQUE	2
MOEYFRPPCRE	MY PARTNER BANK	2
MOEYFRPPMON	MY MONEY BANK	1
MONSDK21XXX	MOENS BANK	2
MONTFRPPXXX	MONTE PASCHI BANQUE	1
MOTIITMMBNY	MONTE TITOLI SPA	1
MOTIITMMCBS	MONTE TITOLI SPA CBS	1
MOTIITMMISS	MONTE TITOLI SPA	1
MOTIITMMPEN	MONTE TITOLI SPA MILANO	1
MOTIITMMTAX	MONTE TITOLI SPA	1
MOTIITMMXXX	MONTE TITOLI SPA D	1
MPIOPTPLXXX	CAIXA ECONOMICA MONTEPIO GERAL CAIXA ECONOMICA BANCARIA, S.A.	1
MPUBCZPPXXX	TRINITY BANK a.s.	1
MSFFDEFXGCP	Morgan Stanley Bank AG	1
MSFFDEFXXXX	Morgan Stanley Bank AG	1
MSFRFRCPXXX	MORGAN STANLEY FRANCE SA	1
MSLNGB2XXXX	MORGAN STANLEY AND CO INTERNATIONAL PLC	1
MUFIFIHHXXX	MUNICIPALITY FINANCE PLC	1
MULTLV2XXXX	AS Industra Bank	1
MVOGAT22XXX	Marchfelder Bank eG	1
NABAATWGXXX	Clearing Service Austria	1
NABAATWWXXX	Oesterreichische Nationalbank	1
NACNESMMXXX	BANCO DE LA NACION ARGENTINA SUCURSAL MADRID	1
NASBBGSFXXX	BULGARIAN DEVELOPMENT BANK	1
NASSDE55XXX	Nassauische Sparkasse	1
NATXDEFFXXX	NATIXIS Zweigniederlassung Deutschland	1
NATXDEFPXXX	NATIXIS Pfandbriefbank AG	1
NATXESMMXXX	NATIXIS, S.A, SUCURSAL EN ESPANA	1
NATXFRPPBPS	NATIXIS WEALTH MANAGEMENT	2
NATXFRPPMAR	NATIXIS MARCHES	1
NATXFRPPXXX	NATIXIS	1
NATXITMMXXX	NATIXIS S.A. MILAN BRANCH MILANO	1
NATXLULLXXX	NATIXIS PRIVATE BANKING INTL	2
NBADFRPPBDF	NATIONAL BANK OF ABU DHABI	1
NBAGDE3EXXX	National-Bank AG	1

Participants BIC	Participant's company name	Participation type
NBBEBEBBHCC	NBB HOOFDKAS CAISSE CENTRALE	1
NBBEBEBBXXX	National Bank of Belgium RTGS Account	1
NBCGIE2DXXX	NBC Global Finance Limited	1
NBHRHR2XBAC	Hrvatska Narodna Banka	1
NBHRHR2XXXX	HRVATSKA NARODNA BANKA (CROATIAN NATIONAL BANK)	1
NBOKFRPPXXX	NATIONAL BANK OF KUWAIT FRANCE SA	2
NBORROBUXXX	Banca Nationala a Romaniei	1
NBPADEFFXXX	National Bank of Pakistan Filiale Frankfurt	1
NBPAFRPPXXX	NATIONAL BANK OF PAKISTAN	1
NBPLPLPWBAN	NARODOWY BANK POLSKI BAN	1
NBPLPLPWCRD	NARODOWY BANK POLSKI CRD	1
NBPLPLPWXXX	NARODOWY BANK POLSKI	1
NBSBSKBXEBA	NBS - EBA Clearing settlement	1
NBSBSKBXEUX	NBS's ECB account	1
NBSBSKBXFE1	NBS - Fees	1
NBSBSKBXIN1	NBS - Interests	1
NBSBSKBXTGT	Narodna Banka Slovenska Target Customer Payments	1
NBSBSKBXXXX	Narodna banka Slovenska	1
NDEADKKKXXX	Nordea Danmark, Filial af Nordea Bank Abp	2
NDEAFIHHXXX	Nordea Bank Abp	1
NDEASESSXXX	Nordea Bank Abp, filial i Sverige	2
NECINL2A777	EUROCLEAR NEDERLAND 777	1
NESBPLPWXXX	NEST BANK SA	2
NFMONL2GXXX	NEDERLANDSE FINANCIERINGS- MAATSCHAPPIJ VOOR ONTWIKKELINGSLANDEN N.V.	1
NFPEDEFFXXX	Nomura Financial Products Europe GmbH	1
NICABEBBXXX	CRELAN SA / NV	1
NNBANL2GXXX	NATIONALE NEDERLANDEN BANK N.V.	1
NOCBDE5MXXX	North Channel Bank GmbH und Co. KG	1
NOCUNL2AXXX	NORINCHUKIN BANK EUROPE N.V.	1
NOLADE2HXXX	NORD/LB Norddeutsche Landesbank Girozentrale	1
NOLALULLXXX	NORD/LB LUXEMBOURG S.A. COVERED BOND BANK	1
NOMAFRPPXXX	BANQUE NOMURA FRANCE	1
NORDFRPPXXX	CREDIT DU NORD	1
NORDFRPPXXX	SOCIETE GENERALE (EX CREDIT DU NORD)	1
NOSCIE2XXXX	SCOTIABANK IRELAND DAC	1
NOYAF021XXX	NORDOYA SPARIKASSI	2

Participants BIC	Participant's company name	Participation type
NRNEDK21XXX	SPAREKASSEN FOR NOERRE NEBEL OG OME	2
NRWBDEEDMMST	NRW.Bank	2
NRWBDEEDMXXX	NRW.BANK	1
NSBKDK21XXX	NORDFYNS BANK	2
NSMBFRPPXXX	Banque Neuflyze OBC	2
NTBAATWWXXX	Notartreuhandbank AG	2
NTMAIE2DXXX	NATIONAL TREASURY MANAGEMENT AGENCY	1
NTSBATW1XXX	N26 Bank GmbH                    Zweigniederlassung Oesterreich	2
NTSBDEB1XXX	N26 Bank GmbH	1
NTSBDEBBXXX	N26 Bank GmbH	1
NTSBESM1XXX	N26 Bank GmbH, Sucursal en Espana	2
NTSBFRM1XXX	N26 BANK GMBH                    Succursale France	2
NTSBITM1XXX	N26 Bank GmbH - Succursale Italiana	2
NWABNL2GXXX	NEDERLANDSE WATERSCHAPSBANK    N.V.	1
NWBEDEFTXXX	Natwest Bank Europe GmbH	1
NWBKDEF2XXX	National Westminster Bank Plc    Niederlassung Deutschland	1
NWBKDEFFXXX	National Westminster Bank Plc    Niederlassung Deutschland	1
NYKBDK21XXX	Nykredit Bank A/S	1
NYKRDK21XXX	NYKREDIT REALKREDIT	1
OBKLAT2LXXX	Oberbank AG	1
OBKLSKBAXXX	Oberbank AG pobočka            zahr. banky SR	1
OBLAAT2LXXX	Oberoesterreichische            Landesbank AG	1
OCBAESM1XXX	BANCO OCCIDENTAL, S.A.	2
OCSDATWWXXX	OeKB CSD GmbH	1
ODDOFRCPXXX	ODDO-BHF SCA	1
OEKOATWWXXX	Oesterreichische Kontrollbank AG	1
OKOYEE2XXXX	OP Corporate Bank plc            Estonian Branch	1
OKOYFIHHXXX	OP Corporate Bank Plc	1
OKOYLT2XXXX	OP Corporate Bank plc Lithuania branch	1
OKOYLV2XXXX	OP Corporate Bank plc Latvia Branch	1
OLBODEH2XXX	Oldenburgische Landesbank AG	1
OMECSSESSNOC	Nasdaq Clearing AB	1
OMICPTPLCLI	OMIClear, C.C., S.A.	1
OMICPTPLXXX	OMIClear, C.C., S.A.	1
OMSAFI2SXXX	Oma Savings Bank Plc	1
OPENESMMXXX	OPEN BANK, S.A.	2

Participants BIC	Participant's company name	Participation type
OTPVHR2XXXX	OTP BANKA DD	1
OTPVHUHBXXX	OTP BANK PLC.	1
OTPVROBUXXX	OTP Bank Romania S.A.	1
OWHBDE21XXX	VTB Bank (Europe) SE	1
OWHBDEFFXXX	VTB Bank (Europe) SE	1
OYAKDE5KXXX	OYAK ANKER Bank GmbH	1
PABAAT2LXXX	PARTNER BANK AG	1
PARBFRPPXXX	BNP PARIBAS SA (EX BPSS)	1
PARXEE22XXX	AS CITADELE BANKA ESTONIAN BRANCH	1
PARXLV22XXX	JSC CITADELE BANKA	1
PASBITGGXXX	BANCA PASSADORE E C.	1
PASCITMMXXX	BANCA MONTE DEI PASCHI DI SIENA SPA	1
PAZGHR2XXXX	PARTNER BANKA DD ZAGREB	1
PBNKDEFFXXX	Deutsche Bank AG - Postbank eine NI der Deutsche Bank AG	2
PBZGHR2XXXX	PRIVREDNA BANKA ZAGREB DD	1
PCBCDEFFXXX	China Construction Bank Corporation Niederlassung Frankfurt	1
PCBCESBBXXX	CHINA CONSTRUCTION BANK (EUROPE) SASUCURSAL EN ESPANA BARCELONA	2
PCBCFRPPXXX	CCB PARIS BRANCH	2
PCBCITMMXXX	CHINA CONSTRUCTION BANK (EUROPE) S.A. MILAN BRANCH	2
PCBCLULLXXX	CHINA CONSTRUCTION BANK (EUROPE)SA	1
PCBCLULXXX	CHINA CONSTRUCTION BK CORP LUX BRA	1
PDKCHR2XXXX	PODRAVSKA BANKA DD	1
PEGMDEHHXXX	PEAC (Germany) GmbH	1
PIBPGB21TGT	PERSIA INTERNATIONAL BANK PLC	1
PICHESMMXXX	BANCO PICHINCHA ESPANA, S.A.	2
PICTFRPPXXX	PICTET ET CIE (EUROPE) SA Succursale de Paris	2
PICTITTTXXX	PICTET AND CIE (EUROPE) SA	2
PICTLULXGVA	PICTET CIE (EUROPE) SA	1
PICTLULXXXX	PICTET CIE (EUROPE) S.A.	1
PIRBCY2NXXX	ASTROBANK LTD	1
PIRBGRAAXXX	Piraeus Bank S.A..	1
PIRBROBUXXX	First Bank S.A.	1
PKOPPLPWXXX	Bank Polska Kasa Opieki S.A.	1
PLFGDE5AIKB	Ikano Bank GmbH	2
PLUMDE29XXX	M.M.Warburg + CO (AG + Co.) KGaA	2
PMBPCZPPXXX	PPF BANKA A.S.	1

Participants BIC	Participant's company name	Participation type
POBNSKBAXXX	365.BANK, A. S.	1
POCZPLP4XXX	BANK POCZTOWY S.A.	1
POLUPLPRXXX	BANK POLSKIEJ SPOLDZIELCZOSCI SA	1
POPFFI22XXX	Bonum Bank Plc	1
POPLESMMXXX	WIZINK BANK, S.A.	1
POPRI3RXXX	BANCA AGRICOLA POPOLARE DI RAGUSA S.C.P.A.	1
POS0IT22XXX	BANCA POPOLARE DI SONDRIO SCPA SONDRIO	1
POSOMCM1XXX	BANCA POPOLARE DI SONDRIO (SUISSE).	2
POUYFR21FRA	BANQUE POUYANNE	1
PPLXLULLXXX	PayPal (Europe) Sarl et Cie	1
PRABESMMXXX	COOPERATIEVE RABOBANK U.A. SUCURSAL EN ESPANA	1
PRCBGSGFXXX	ProCredit Bank (Bulgaria) AD	1
PRCBDEFFXXX	ProCredit Bank AG	1
PRCBGRAAXXX	PROCREDIT BANK (BULGARIA) EAD. THESSALONIKI BRANCH	1
PREUFRP1XXX	BANQUE PRIVEE EUROPEENNE SA	2
PRIBBEBBXXX	Edmond de Rothschild (Europe)	2
PRIBLULLXXX	EDMOND DE ROTHSCHILD (EUROPE) S.A.	1
PROAESMMXXX	EBN BANCO DE NEGOCIOS, S.A.	1
PRUUP1P1XXX	Banco Primus, S.A.	1
PRVASKBAXXX	Prva stavebna sporitelna, a.s.	1
PRXBGRAAXXX	VIVABANK SINGLE MEMBER BANKING S.A.	1
PSABFRPPXXX	BANQUE PSA FINANCE.	1
PSITITMMXXX	Banca PSA Italia S.P.A.	1
PSSTFRPPXXX	LA BANQUE POSTALE	1
PULSDEDDXXX	S Broker AG und Co. KG	2
QNBAFRPPXXX	QATAR NATIONAL BANK SAQ	2
QUBADE71XXX	BSQ Bauspar AG	1
QUBKDEBBXXX	Quirin Privatbank AG	1
RABODEFFTAR	Rabobank International Frankfurt Branch Wholesale Clients International	1
RABODEFFXXX	Rabobank International, Frankf. Br.Solmsstrasse 83 60486 Frankfurt am Main	2
RABONL2UXXX	RABOBANK NEDERLAND	1
RAISDEFFXXX	Raisin Bank AG	1
RALPFR2GXXX	SOCIETE GENERALE (EX BANQUE RHONE-ALPES)	2
RBOSDEF2XXX	National Westminster Bank Plc Niederlassung Deutschland	1
RBOSDEFFXXX	Natwest Markets Plc Niederlassung Frankfurt	1
RBOSNL2RTCM	NATWEST MARKETS N.V.	2

Participants BIC	Participant's company name	Participation type
RBOSNLNVXXX	NatWest Markets N.V.	1
RBRBNL21XXX	REGIOBANK N.V.	2
RBRTAT22XXX	Raiffeisenbank Reutte reg.Gen.m.b.H.	2
RCBLCY21XXX	RCB BANK LTD	1
RCBPBEBBXXX	ROTHSCHILD ET COMPAGNIE BANQUE	2
RCIDDE3NPAY	RCI Banque S.A. Niederlassung Deutschland	2
RCINFRPPXXX	RCI BANQUE	1
RDDKDKKKXXX	REALKREDIT DANMARK	1
REBMDE7CXXX	Deutsche Pfandbriefbank AG	1
REBMDMM555	Deutsche Pfandbriefbank AG	1
REBMDMMXXX	Deutsche Pfandbriefbank AG	1
RENBESMMXXX	Renta 4 Banco, S.A.	1
REPRDK21XXX	REFSNAES SPAREKASSE	2
RHBHPLPWXXX	BRE Bank Hipoteczny S.A.	2
RIBRLV22XXX	Regionala investiciju banka	1
RIKOOE22XXX	Luminor Bank AS	1
RIKOLV2XXX	Luminor Bank AS Latvian branch	1
RINGDK22XXX	RINGKJOEBING LANDBOBANK	1
RISEDK21XXX	RISE SPARE - OG LAANEKASSE	2
RLBBAT2EXXX	Raiffeisenlandesbank Burgenland und Revisions- verband eGen	1
RLNWATWWXXX	Raiffeisenlandesbank Niederoesterreich-Wien	1
ROINROBUXXX	IDEA BANK S.A.	1
ROYCFRPBTGT	ROYAL BANK OF CANADA, Paris Branch	1
RRBALULLXXX	RiverBank S.A.	1
RSPKDK21XXX	ROENDE OG OMEGNS SPAREKASSE	2
RTMBLV2XXXX	AS Rietumu banka	1
RVSAAT2SXXX	Raiffeisenverband Salzburg eGen	1
RVUALT2VXXX	REVOLUT BANK UAB Konstitucijos pr. 21B LT-08130 Vilnius	1
RVVGAT2BXXX	Raiffeisen Landesbank Vorarlberg mit Revisionsverband eGen	1
RZBAATWWXXX	Raiffeisen Bank International AG	1
RZBBBGSFXXX	KBC Bank Bulgaria EAD	1
RZBCCZPPXXX	Raiffeisenbank A.S.	1
RZBHHR2XXXX	RAIFFEISENBANK AUSTRIA DD	1
RZBRROBUXXX	Raiffeisen Bank S.A.	1
RZKTAT2KXXX	Raiffeisen Landesbank Kaernten reg. Gen. m.b.H.	1
RZOOAT2LXXX	Raiffeisenlandesbank Oberoesterreich AG	1

Participants BIC	Participant's company name	Participation type
RZODE77XXX	Raiffeisenlandesbank Oberoesterreich Aktiengesellschaft Zweigniederlassung Sueddeutschland	2
RZSBIT2BXXX	RAIFFEISEN LANDESBANK SUDTIROL AG CASSA CENTRALE RAIFFEISEN DELL'ALTOADIGE SPA - BOLZANO	1
RZSTAT2GXXX	Raiffeisen-Landesbank Steiermark AG	1
RZTIAT22XXX	Raiffeisen-Landesbank Tirol AG	1
SABADE5SXXX	Bank 1 Saar eG	2
SABDDE81XXX	Saechsische Aufbaubank -Foerderbank-	2
SABDDE88XXX	Saechsische Aufbaubank - Foerderbank -	1
SABNESMMSSS	SANTANDER INVESTMENT S.A.	2
SABRSI2XXXX	N Banka d. d.	1
SAKSDE55XXX	Sparkasse Saarbruecken	1
SALADE55XXX	SaarLB Landesbank Saar	1
SARCIT2SXXX	CARISPA DI SAVIGLIANO SPA	2
SAXODKKKXXX	Saxo Bank A/S	1
SBAAFRPPTGT	BANQUE SBA	1
SBAAFRPPXXX	BANQUE SBA	2
SBANFIHHXXX	S-BANK PLC	1
SBEXFRP1XXX	SOCIETE DE BANQUE ET D'EXPANSION	2
SBINBE2XXXX	STATE BANK OF INDIA	2
SBINDEFFXXX	State Bank of India Zweigniederlassung Frankfurt Main	1
SBMTMTMTXXX	Sparkasse Bank Malta plc Sliema	1
SBOSDEMXXXX	State Street Bank International GmbH	2
SBOSFRP1XXX	STATE STREET BANK INTERNATIONAL GMBH PARIS BRANCH	2
SBOSITMLXXX	STATE STREET BANK INTERNATIONAL GMBH - SUCCURSALE ITALIA	2
SBREDE22XXX	Die Sparkasse Bremen AG	1
SBSLHR2XXXX	SLATINSKA BANKA DD	1
SCBLDEFXXXX	Standard Chartered Bank AG	1
SCCDIT31XXX	Banca di Sconto e Conti Correnti di Santa Maria Capua Vetere S.p.A. Banca di Sconto	2
SCFBDE33XXX	Santander Consumer Bank AG	1
SCFBESMMXXX	SANTANDER CONSUMER FINANCE S.A.	2
SCHOATWWXXX	Schoellerbank AG	1
SCHWDESSXXX	M.M.Warburg + CO (AG + Co.) KGaA	2
SDAHR22XXX	SREDISNJE KLIRINSKO DEPOZITARNO DR.	1
SDBNNOKKXXX	Safe Deposit Bank of Norway AS	1
SDINFRP1XXX	BANK SADERAT IRAN SUCCURSALE DE PARIS	1
SEAVVNVXXXX	SOUTHEAST ASIA COMMERCIAL J S BANK	2
SEBKLULLXXX	INTESA SANPAOLO BANK LUXEMBOURG S.A.	2

Participants BIC	Participant's company name	Participation type
SECGDEFFXXX	SECB Swiss Euro Clearing	1
SELBIT22XXX	BANCA SELLA HOLDING SPA	1
SEPBDEFFXXX	Bank Sepah-Iran Filiale Frankfurt	1
SEPBFRP1XXX	BANK SEPAH PARIS	1
SEPBFRPP001	BANK SEPAH	1
SEPBTR1XXX	BANK SEPAH	1
SEYDDEF1XXX	ODDO BHF Corporates and Markets AG	1
SEZDDEF1XXX	SUEDWESTBANK - BAWAG AG Niederlassung Deutschland	2
SFBSFRP1XXX	SOCIETE FINANCIERE DE BANQUE SOFIB	2
SFILFRPPXXX	SFIL	1
SGABLULLXXX	SOCIETE GENERALE LUXEMBOURG	1
SHBKDEFFXXX	Shinhan Bank Europe GmbH	1
SHEDNO22XXX	Sparebanken Hedmark	2
SHIZBEBBXXX	Shizuoka Bank Europe S.A.	2
SHMSFIH1XXX	The Mortgage Society of Finland	1
SIBADEMMXXX	Siemens Bank GmbH	1
SIBLFRPPXXX	CA INDOSUEZ WEALTH (France)	2
SIBSDEHHXXX	SIGNAL IDUNA Bauspar AG	1
SIDRSI22XXX	SID - Slovenska izvozna in razvojnabanka, d.d., Ljubljana (SID banka d.d.)	1
SIFBFRP1FIT	QUILVEST BANQUE PRIVEE	1
SIFBFRP1XXX	QUILVEST BANQUE PRIVEE	2
SIHRDEH1FFM	Bank Saderat Iran.	1
SIHRDEH1XXX	Bank Saderat Iran Zweigniederlassung Hamburg	1
SIKBDE51XXX	Saarlaendische Investitionskreditbank AG	2
SIKBDE55XXX	Saarlaendische Investitionskreditbank AG	2
SKBASI2XXXX	SKB BANKA D.D.	1
SKJBDK22XXX	SKJERN BANK	1
SKLODE66XXX	Sparkasse Loerrach-Rheinfelden	2
SKOVHR22XXX	BANKA KOVANICA D.D.	1
SLZBSKBAXXX	Slovenska zarucna a razvojova banka	1
SMBCBEBBXXX	Sumitomo Mitsui Banking Corporation	2
SMBCDEDDXXX	Sumitomo Mitsui Banking Corporation Filiale Duesseldorf	1
SMBCDEFFXXX	SMBC Bank EU AG	1
SMBRHR22XXX	SAMOBORSKA BANKA DD SAMOBOR	1
SMCTFR2AXXX	SOCIETE GENERALE (EX SOCIETE MARSEILLAISE DE CREDIT)	2
SMHBDEFFXXX	UBS Europe SE	1

Participants BIC	Participant's company name	Participation type
SMPOLT22XXX	Danske Bank A/S Lithuania Branch	1
SNOWNO22XXX	Sparebanken Nord Norge	2
SNSBNL2AXXX	DE VOLKSBANK N.V.	1
SOBKDEB2XXX	SolarisBank AG	2
SOBKDEBBXXX	solarisBank AG	1
SOCBPFTXXX	BANQUE SOCREDO	2
SODIRER1XXX	SOFIDER	2
SOGECY2NXXX	SOCIETE GENERALE NICOSIA	2
SOGEFRPPXXX	SOCIETE GENERALE	1
SOGEGPGPXXX	BANQUE DES CARAIBES	2
SOGENCNNXXX	SOCIETE GENERALE CALEDONNIENNE DE BANQUE	2
SOHODK21XXX	SOENDERHAA-HOERSTED SPAREKASSE	2
SOLADESTXXX	Landesbank Baden-Wuerttemberg	1
SOMBBGSFXXX	MUNICIPAL BANK PLC	1
SOPMFRP1XXX	SOCFIM PARTICIPATIONS IMMOBILIERES	2
SORMFR2NXXX	SOCRAM BANQUE	1
SPAAT2SXXX	Bankhaus Spaengler und Co AG	1
SPAVNOBBXXX	Sparebanken VEST	2
SPBAATWWXXX	bank99 AG	1
SPESDE3EXXX	Sparkasse Essen	1
SPFBFIHHXXX	Suomen Pankki - Finlands Bank	1
SPNODK22XXX	SPAR NORD BANK	1
SPRONO22XXX	Sparebank 1 SR Bank	2
SPSCAT22XXX	Sparkasse Schwaz AG	2
SPSRKBAXXX	Statna pokladnica	1
SPTRNO22XXX	Sparebanken 1 Midt Norge	2
STBCLULLXXX	SUMITOMO TRUST + BANKING LUXEMBOURG SA	2
STDRGR2AXXX	COOPERATIVE BANK OF OLYMPUS	1
STHYDK21XXX	SPAREKASSEN THY	2
STIOGR21XXX	COOPERATIVE BANK OF EPIRUS LTD.	1
STKAGRA1XXX	COOPERATIVE BANK OF KARDITSA.	1
STPGGRAAXXX	PANCRETA BANK S.A.	1
STSABGSFXXX	DSK BANK PLC	1
STSPAT2GXXX	Steiermaerkische Bank und Sparkassen AG	1
STTKGR21XXX	Cooperative Bank of Thessalia LLC.	1
STXAGRA1XXX	Cooperative Bank of Chania CLL.	1

Participants BIC	Participant's company name	Participation type
SUBASKBXXXX	VUB, a.s.	1
SUDNITN1XXX	BANCA DEL SUD SPA NAPOLI	2
SUFGDE51XXX	Sued-West-Kreditbank	1
SUSPFOT1XXX	SUDUROYAR SPARIKASSI	2
SVECIT31XXX	BANCA SVILUPPO ECONOMICO S.P.A.	2
SWBSESSXXX	SUEDWESTBANK - BAWAG AG Niederlassung Deutschland	1
SWEDDKKXXXX	SWEDBANK, BRANCH OF SWEDBANK SWEDEN	1
SWEDFIHXXXX	SWEDBANK AB (PUBL) Finnish Branch	1
SWESDK22XXX	SPAREKASSEN SJAELLAND	1
SWILFRPPBDF	SWISSLIFE BANQUE PRIVEE	1
SWILFRPPXXX	SWISSLIFE BANQUE PRIVEE	2
SWQBLULLXXX	Swissquote Bank Europe SA	2
SXFELULLXXX	STONEX FINANCIAL EUROPE S.A.	1
SXPYDEHHXXX	Banking Circle S.A. Munich Branch	2
SXPYDKKXXXX	BANKING CIRCLE DANMARK A/S	2
SYBKDE22BER	Sydbank Lynarstrasse 22 14193 Berlin	2
SYBKDE22HAM	Sydbank Deichstrasse 34	2
SYBKDE22KIE	Sydbank Kiel	2
SYBKDE22XXX	Sydbank A/S Filiale Flensburg	1
SYBKDK22XXX	SYDBANK	1
SZKBSI2XXXX	Dezelna banka Slovenije d.d. Kolodvorska 9, 1000 Ljubljana Slovenija	1
TABUEE22XXX	AS TBB PANK	1
TARNFR2LXXX	SOCIETE GENERALE (EX BANQUE TARNEAUD)	2
TATRSKBXXXX	TATRA BANKA	1
TBIBBGSFXXX	TBI Bank EAD	1
TBIBROBUXXX	TBI BANK EAD SOFIA - SUCURSALA BUCURESTI	1
TCZBBGSFXXX	TC ZIRAAT BANK SOFIA BRANCH	1
TCZBDEFFXXX	Ziraat Bank International AG	1
TDOMIE2DXXX	TD GLOBAL FINANCE UNLIMITED COMPANY	1
TEAMDE71TAT	TEAMBANK AG	2
TEAMDE71XXX	TEAMBANK AG .	2
TEAMDE77XXX	TEAMBANK AG .	1
TEXIBGSFXXX	TEXIM BANK AD	1
TOBADE33XXX	Toyota Kreditbank GmbH	1
TOTAPTPLXXX	BANCO SANTANDER TOTTA,SA	1
TRDADEB1PBK	Tradegate AG Wertpapierhandelsbank	2

Participants BIC	Participant's company name	Participation type
TRDADEBBDIR	Tradegate AG Wertpapierhandelsbank	1
TRELLV22XXX	Valsts kase	1
TRIOBEBBXXX	TRIODOS BANK NV	2
TRIONL2UXXX	TRIODOS BANK N.V. ZEIST	1
TRUFDE66XXX	TRUMPF Financial Services GmbH	1
TUBDDEDDXXX	HSBC Trinkaus u. Burkhardt GmbH	1
TVBAATWWXXX	VakifBank International AG	1
TWOSITMMXXX	SOCIETE GENERALE SECURITIES SERVICES SPA MILANO	1
UBAFFRPPXXX	UNION DES BANQUES ARABES ET FRANCAISES	2
UBBSBGSFXXX	UNITED BULGARIAN BANK AD	2
UBRTHUHBXXX	Raiffeisenbank Ungarn	2
UBSWDE24XXX	UBS Europe SE	2
UBSWDEFFXXX	UBS Europe SE	1
UCJAES2MXXX	UNICAJA BANCO S.A.	1
UFIFFRP1XXX	UNION FINANCIERE DE FRANCE	1
UGBINL2AXXX	GARANTIBANK INTERNATIONAL NV	1
ULSBIE2DXXX	ULSTER BANK IRELAND DESIGNATED ACTIVITY COMPANY	1
UMWEDE7NXXX	UmweltBank AG	1
UNBNDE21XXX	Unionbank AG Flensburg	2
UNCRBGSFXXX	UNICREDIT BULBANK AD	1
UNCRITMMXXX	UNICREDIT SPA ROMA	1
UNCRSKBXXXX	UniCredit Bank Czech Republic and Slovakia, a.s., pobočka zahraničnej banky	1
UNIYCZPPXXX	Centralni depozitar cennych papiru,a.s.	1
UNLALV2XXXX	AS SEB banka	1
USBKIE2DXXX	ELAVON FINANCIAL SERVICES DAC	1
USDFLT22XXX	UAB SME Bank	1
UTUBFRPPBDF	TUNISIAN FOREIGN BANK	1
UTUBFRPPXXX	TUNISIAN FOREIGN BANK	2
UTWBEBBXXX	UNITED TAIWAN BANK S.A.	2
VALLMTMTXXX	BANK OF VALLETTA P.L.C. BOV CENTRE, CANNON ROAD ST.VENERA SVR 9030	1
VAPEBE22XXX	van de Put en Co Private Bankers	1
VBANDEMMPML	V-Bank AG	1
VBANDEMXXX	V-Bank AG	2
VBCRHR22XXX	NOVA HRVATSKA BANKA DD	1
VBDODE33XXX	Dortmunder Volksbank eG	1
VBMHDE5FXXX	Volksbank Mittelhessen eG	1

Participants BIC	Participant's company name	Participation type
VBOEATWWXXX	Volksbank Wien AG	1
VBVZHR22XXX	J AND T BANKA DD VARAZDIN	1
VDSPBE91XXX	VDK Spaarbank NV	2
VEHODK22XXX	VESTJYSK BANK	1
VESBDK22XXX	VESTFYNS BANK	2
VGAGDEHHXXX	Varengold Bank AG	1
VIVIDK21XXX	SPAREKASSEN DJURSLAND	2
VKBLAT2LXXX	Volkskreditbank AG	1
VKSKFIHHXXX	State Treasury (Republic of Finland)	1
VOCBMTMTXXX	NOVUM BANK LTD TA XBIEX	1
VOLODE66XXX	Volksbank Dreilaendereck eG	1
VONTDEM1XXX	Bank Vontobel Europe AG	2
VOWADE2BXXX	Volkswagen Bank GmbH	1
VOWAES21XXX	VOLKSWAGEN BANK GMBH, S.E.	2
VOWANL21XXX	VOLKSWAGEN BANK GMBH NL	2
VOWAPLP1XXX	Volkswagen Bank Polska S.A.	2
VPCSSESSXXX	Euroclear Sweden AB	1
VPDKDKKKLUX	DANISH SECURITIES SERVICE (LUX)	1
VRAADK21XXX	Sparekassen Vendsyssel	2
VSGKAT2KXXX	ZVEZA BANK	2
WAFABEBBXXX	ATTIJARIWAFI BANK EUROPE	2
WBKPLPPXXX	SANTANDER BANK POLSKA S.A.	1
WBWCDEHHXXX	M.M. Warburg u. CO (AG u. Co.) Kommanditgesellschaft auf Aktien	1
WEFZDED1WE1	Bank11 fuer Privatkunden und Handel GmbH	1
WEFZDED1XXX	Bank11 fuer Privatkunden und Handel GmbH	2
WEGBDE77XXX	TEN31 Bank AG	1
WERHDED1XXX	Bankhaus Werhahn GmbH	2
WERHDEDSXXX	Bankhaus Werhahn GmbH	1
WFSEFRPPXXX	WELLS FARGO SECURITIES EUROPE SA	1
WIDIITMMXXX	BANCA WIDIBA SPA MILANO	2
WINSATWNXXX	Wiener Neustaedter Sparkasse	1
WIPBATWWXXX	Wiener Privatbank SE	1
WISMATWWXXX	Bank Winter and Co Aktiengesellschaft	1
WUIBATWWXXX	Western Union International Bank GmbH	1
WUIGFRP1SFP	WESTERN UNION INTERNATIONAL BANK SFP	1
WUIGFRP1XXX	WESTERN UNION INTERNATIONAL BANK GMBH	1

Participants BIC	Participant's company name	Participation type
WUSTSKBAXXX	Wustenrot stavebna sporitelna, a.s.	1
WWBADE31XXX	abcbank GmbH .	2
WWBADE3AXXX	abcbank GmbH	1
WZNKPTPLXXX	WIZINK BANK S.A.U. SUCURSAL EM PORTUGAL	1
XCYSCY2NASI	CYPRUS STOCK EXCHANGE-ASI	1
XCYSCY2NXXX	CYPRUS STOCK EXCHANGE	1
XMALMTMTXXX	MALTA STOCK EXCHANGE	1
ZABHR2XXXX	ZAGREBACKA BANKA D.D.	1
ZWLBNL21XXX	SNS	2