







UBS ETFs Market Makers & Authorized Participants

	 Switzerland CISA ETFs Cash- + Swap-based [SF]	 Luxembourg UCITS ETFs Cash-based	 Ireland UCITS ETFs Cash-based		
Product Category	UBS ETF (CH)	UBS (Lux) Fund Solutions	UBS (Irl) ETF plc		
Custodian bank	UBS Switzerland AG	State Street Bank International GmbH	State Street Custodial Services (Ireland) Limited		
Fund Management Company	UBS Fund Management (Switzerland) AG	UBS Fund Management (Luxembourg) S.A.	UBS Fund Management (Ireland) Limited		
Index provider	<ul style="list-style-type: none"> • Bloomberg – CMCI • London Bullion Market Association (LBMA) • London Platinum and Palladium Market (LPPM) • SIX Swiss Exchange 	<ul style="list-style-type: none"> • Bloomberg • FTSE • JP Morgan • Markit iBoxx 	<ul style="list-style-type: none"> • MSCI • SIX Swiss Exchange • STOXX 	<ul style="list-style-type: none"> • DOW JONES • MSCI • Solactive • Standard & Poor's 	
Stock exchanges	SIX Swiss Exchange Mexican Stock Exchange	<ul style="list-style-type: none"> • Borsa Italiana • Xetra • London Stock Exchange LSE • SIX Swiss Exchange 	<ul style="list-style-type: none"> • Euronext Amsterdam • Tokyo Stock Exchange • Mexican Stock Exchange 	<ul style="list-style-type: none"> • Borsa Italiana • XETRA • London Stock Exchange • Mexican Stock Exchange BMV • SIX Swiss Exchange • Euronext Amsterdam 	
Authorized participants	<ul style="list-style-type: none"> • Bank Julius Baer & Co. AG • Deutsche Bank AG • DRW Global Markets Ltd • Flow Traders B.V. • Goldenberg Hehmeyer LLP • Goldman Sachs International • HSBC Bank plc • Jane Street Financial Limited • Morgan Stanley & Co International plc • Optiver V.O.F. • Societe Generale • Susquehanna Intl. Sec. Ltd • UBS AG • Unicredit Bank AG • Virtu Financial Ireland Limited 	<ul style="list-style-type: none"> • ABN AMRO Clearing Bank N.V. • Baader Bank AG • Banca Sella Holding S.P.A. • Bank Julius Baer & Co. AG • Barclays Capital Securities Limited • Citigroup Global Markets Ltd • Deutsche Bank AG • DRW Global Markets Ltd • Flow Traders B.V. • Goldenberg Hehmeyer LLP • Goldman Sachs International • HSBC Bank plc • HRTEU Limited • Intesa Sanpaolo S.p.A. 	<ul style="list-style-type: none"> • Jane Street Financial Limited • Jefferies GmbH • JP Morgan Securities PLC • Merrill Lynch International • Morgan Stanley & Co International plc • Old Mission Europe LLP • Optiver V.O.F. • RBC Europe Ltd • Societe Generale • Susquehanna Intl. Sec. Ltd • UBS AG • UniCredit Bank AG • Virtu Financial Ireland Limited 	<ul style="list-style-type: none"> • Baader Bank AG • Banca Sella Holding S.P.A. • Bank Julius Baer & Co. AG • Citigroup Global Markets Ltd • DRW Global Markets Ltd • Flow Traders B.V. • Goldenberg Hehmeyer LLP • Goldman Sachs International • HRTEU Limited • HSBC Bank plc • Intesa Sanpaolo S.p.A. • Jane Street Financial Limited 	<ul style="list-style-type: none"> • JP Morgan Securities PLC • Morgan Stanley & Co International plc • Old Mission Europe LLP • Optiver V.O.F. • RBC Europe Ltd • Societe Generale • Susquehanna Intl. Sec. Ltd • UBS AG • UniCredit Bank AG • Virtu Financial Ireland Limited

UBS ETFs Market Makers & Authorized Participants

	 Ireland UCITS ETFs Swap-based [SF]	 Switzerland Cash- + Swap-based [SF]	 Ireland SPV Cash
Product Category	UBS (Irl) Fund Solutions plc	UBS (CH) Fund Solutions	HARP Issuer plc
Custodian bank	State Street Custodial Services (Ireland) Limited	State Street Bank International GmbH	UBS Europe SE, Luxembourg Branch
Fund Management Company	UBS Fund Management (Ireland) Limited	UBS Fund Management (Switzerland) AG	N/A
Index provider	<ul style="list-style-type: none"> • Bloomberg • FTSE • HFR • MSCI • Standard & Poor's • UBS Bloomberg – CMCI 	<ul style="list-style-type: none"> • Bloomberg – CMCI • JP Morgan 	<ul style="list-style-type: none"> • European Energy Exchange (EEX)
Stock exchanges	<ul style="list-style-type: none"> • Borsa Italiana • XETRA • London Stock Exchange • Mexican Stock Exchange • SIX Swiss Exchange 	<ul style="list-style-type: none"> • SIX Swiss Exchange 	<ul style="list-style-type: none"> • XETRA • London Stock Exchange • SIX Swiss Exchange (pending listing)
Authorized participants	<ul style="list-style-type: none"> • UBS AG 	<ul style="list-style-type: none"> • Flow Traders B.V. • Goldenberg Hehmeyer LLP • Jane Street Financial Limited • Optiver V.O.F. • UBS AG 	<ul style="list-style-type: none"> • Flow Traders B.V.