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	• Bloomberg – CMCI • London Bullion Market Association (LBMA) • London Platinum and • Palladium Market (LPPM) • SIX Swiss Exchange	• Bloomberg • FTSE • JP Morgan • Markit iBoxx	• MSCI • SIX Swiss Exchange • STOXX	• DOW JONES • MSCI • Solactive • Standard & Poor's	
Stock exchanges	SIX Swiss Exchange Mexican Stock Exchange	• Borsa Italiana • Xetra • London Stock Exchange LSE • SIX Swiss Exchange	• Euronext Amsterdam • Mexican Stock Exchange	• Borsa Italiana • XETRA • London Stock Exchange • Mexican Stock Exchange • SIX Swiss Exchange • Euronext Amsterdam	
Authorized participants	• 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 • J.P. Morgan Securities PLC • Morgan Stanley & Co International plc • Old Mission Europe LLP • Optiver V.O.F. • Societe Generale • Susquehanna Intl. Sec. Ltd • UBS AG • Unicredit Bank AG • Virtu Financial Ireland Limited	• ABN AMRO Clearing Bank N.V. • Baader Bank AG • Banca Sella Holding S.P.A. • Bank Julius Baer & Co. AG • Barclays Capital Securities Limited • BNP Paribas Financial Markets • 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	• Jane Street Financial Limited • Jefferies GmbH • J.P. 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	• Baader Bank AG • Banca Sella Holding S.P.A. • Bank Julius Baer & Co. AG • BNP Paribas Financial Markets • Citigroup Global Markets Ltd • DRW Global Markets Ltd • Flow Traders B.V. • Goldenberg Hehmeyer LLP • Goldman Sachs International • HRTEU Limited • HSBC Bank plc • Jane Street Financial Limited	• J.P. 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

Source: UBS Asset Management

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	• Bloomberg • FTSE • HFR • MSCI • Standard & Poor's • UBS Bloomberg – CMCI	• Bloomberg – CMCI • JP Morgan	• European Energy Exchange (EEX)
Stock exchanges	• Borsa Italiana • XETRA • London Stock Exchange • Mexican Stock Exchange • SIX Swiss Exchange	• SIX Swiss Exchange	• XETRA • London Stock Exchange • SIX Swiss Exchange
Authorized participants	• UBS AG	• Flow Traders B.V. • Goldenberg Hehmeyer LLP • Jane Street Financial Limited • Optiver V.O.F. • Societe Generale • UBS AG	• Flow Traders B.V.

Source: UBS Asset Management