

LEGAL ENTITY INFORMATION

<ul style="list-style-type: none"> ■ Entity Name: ■ Institution Type: ■ Address & Registered Office: ■ Place of Business: ■ Financial Regulator: ■ Executive Board: ■ Chairperson of Supervisory Board: ■ Company Number: ■ Legal Entity Identifier (LEI): ■ BIC Code: ■ VAT Number: ■ Branches <p>Note: for branch specific information, please click on the branch name's link.</p>	<p>Goldman Sachs Bank Europe SE</p> <p>SE (Societas Europaea)</p> <p>Marienturm Taunusanlage 9-10 60329 Frankfurt am Main</p> <p>Frankfurt, Germany</p> <p>Direct prudential supervision by the European Central Bank within the Single Supervisory Mechanism and in other respects supervision by the German Federal Financial Supervisory Authority (Bundesanstalt für Finanzdienstleistungsaufsicht, BaFin) and Deutsche Bundesbank.</p> <p>Vorstand: Dr. Wolfgang Fink (Vorsitzender) Robert Charnley Peter Hermann Lear Janiv Jonathan P Bury Michael Holmes Michael Trokoudes</p> <p>John F.W. Rogers</p> <p>HRB 114190</p> <p>8IBZUGJ7JPLH368JE346</p> <p>GOLDDEFA</p> <p>DE112006422</p> <ul style="list-style-type: none"> ■ Goldman Sachs Bank Europe SE, Amsterdam Branch ■ Goldman Sachs Bank Europe SE, Athens branch ■ Goldman Sachs Bank Europe, Copenhagen Branch, filial af Goldman Sachs Bank Europe SE, Tyskland ■ Goldman Sachs Bank Europe SE, Dublin Branch ■ Goldman Sachs Bank Europe SE, London Branch ■ Goldman Sachs Bank Europe SE, Luxembourg Branch ■ Goldman Sachs Bank Europe SE, Sucursal en España ■ Goldman Sachs Bank Europe SE, Succursale Italia ■ Goldman Sachs Bank Europe SE, Succursale de Paris ■ Goldman Sachs Bank Europe SE, Sweden Bankfilial ■ Goldman Sachs Bank Europe SE, spółka europejska Oddział w Polsce' Warsaw Branch
--	--

Disclaimer**REGULATORY INFORMATION**

All regulatory disclosures for Goldman Sachs entities can be found on the following GS webpage - <https://www.goldmansachs.com/disclosures/>

- | | |
|------------------|--|
| ■ MiFID | MiFID: GSBE is an EU credit institution authorised under Directive 2013/36/EU that provides/performs MiFID investment services/activities
GSBE is registered as a Systematic Internaliser |
| ■ EMIR | Financial Counterparty (FC) |
| ■ Operating MIC: | GSBE |
| ■ Segment MIC: | GSEI |

CREDIT RATINGS

Credit ratings for Goldman Sachs entities can be found on the following GS webpage: <https://www.goldmansachs.com/investor-relations/creditor-information/credit-ratings.pdf>

FINANCIAL STATEMENTS

GSBE's latest financial statements can be found on the following GS webpage: <https://www.goldmansachs.com/investor-relations/financials/index.html>

DISCLAIMER

The Goldman Sachs Group, Inc. All rights reserved.

See www.gs.com/disclaimer/global_email for important risk disclosures, conflicts of interest and other terms and conditions relating to this e-mail and your reliance on information contained in it.

This message may contain confidential or privileged information. If you are not the intended recipient, please advise us immediately and delete this message.

See <http://www.gs.com/disclaimer/email> for further information on confidentiality and the risks of non-secure electronic communication. If you cannot access these links, please notify us by reply message and we will send the contents to you.

SECURITIES

■ DTCC Omgeo – CTM:	GOLDDEFAXXX
– Domestic	GOLSACHS
Oasys:	
– Trade-suite:	5208
■ FIX post trade	GOLDDEFAXXX
■ SWIFT GETC	GOLDDEFAXXX
■ Traiana Harmony (Give in/ups)	GOLDDEFAXXX
■ Clearsteam KV Participant code	1055 [Frankfurt; Warrants] 7246 [Frankfurt; Cash Equities] 6252 [Stuttgart]
■ Bloomberg Ticker	Cash: GSEB and GSA

OTC DERIVATIVES

■ MarkitWire: – Participant Name	Goldman Sachs
– Short Code	GOLD
– BIC	GOLDDEFA
■ Bloomberg Ticker:	GS, GSMX and GSOL
■ Clearing BIC:	GOLDDEFA
■ TriResolve (TriOptima):	GSOH
■ DTCC DS-Match:	0000GSOH
■ Traiana CFD/Swap Allocations:	GSIL-X
■ ICELink:	GSOH

FX & COMMODITIES

■ CLS Affiliate Member	GOLDDEFA
■ FX All, Bloomberg, GTSS, MISYS (Finastra) BIC Code	GOLDDEFA
■ EIC:	11X0-0000-0492-L
■ ACER:	A00157515.DE
■ EFET (Equias) EIC:	11X0-0000-0492-L

■ Acronym	GOLD-LDN
■ Equities Settlement Model	GSOHG
■ Fixed Income Settlement Model	GSOHG-FIXDINC