Userguide

Bloomberg Legal Entity Identifier (LEI)

A guide for setting up and renewing your LEI with Bloomberg



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Welcome

Welcome to Bloomberg. You have joined a global community of more than 325,000 financial professionals. Taking full advantage of the Bloomberg Terminal starts with understanding the overall logic that connects you to the data, news and analytics you need to make fast, effective decisions.

In this brochure, we will introduce you to the basics so you can get started.

1. LEI overview

Bloomberg Anywhere^{*} allows users to access their Bloomberg Terminal account from anywhere - whether that be at home or in the office. The B-Unit App or the B-Unit Device allow for a secure and seamless experience while tapping into the power of the Terminal.

1.1 Introduction

Legal Entity Identifier (LEI) is a 20-character, alphanumeric code based on the ISO 17442 standard developed by the ISO, and it is endorsed by the G20. It connects to key reference information that enables a clear and unique identification of legal entities.

1.2 Which entities can register for an LEI?

An LEI can be requested for all parties in a financial transaction including but not limited to:

- Registered Companies including Registered Subsidiaries
- Funds/Trusts
- Non Profit/Charity Organizations
- Government Bodies and Organizations
- Sole Proprietors (Individuals that appear in their local register)
- Branch offices (Main HQ entity must already have an LEI)

An LEI should NOT be requested for individuals or operating divisions. These entities should utilize the LEI of their parent organization.

1.3 Who can register my entity for an LEI?

LEI can be applied by the legal entity itself or can be requested by a third party. A self or third party LEI authorization form must be submitted during the LEI registration process.

1.4 Account/login setup

- To create a new account, click the "Create an Account" tab at the top right hand corner.
- Complete all required fields (*), read and agree to the Terms of Service and Privacy Policy, check the check box in the form, then click on the "Sign Up" button.
- After clicking the "Sign Up" button, you will be directed to the login page and you will receive an email verifying your account creation, as shown on the next page.
- To log in, enter account credentials and click Log in button.
- A Two-Factor Login Code (confirmation code) will be sent to the requested email address.
- Enter the confirmation code in the Two Factor Code box and proceed with logging into your account. At this point, you are logged in and a secondary ribbon should appear containing various action items as seen below.

Bloomberg L	El	Create an Account	Search	Downloads	FAQ	Contact	Log In
				Create	Update	Renew	Transfer
	Account Info						
	* Username						
	* Username						
	* Password						
	* Password						
	* Repeat Password						
	* Repeat Password						
	* Email						
	* Email						

1.4.1 Updating profile

After logging in, you can review your profile or update any details there by going to the account and my profile tab. You can amend details including the contact name, company name, contact phone number or address.

1.4.2 Adding and removing emails

An LEI account can be linked to up to 10 email addresses. You may use the same username and login with any of these emails and the same password.

To add or update any emails, you can click on the "account" button on the main ribbon and further click on "my profile" from the drop-down menu.

If any of the users have forgotten the password, they can always reset the password.

1.4.3 Adding and removing payment card details

A credit card will need to be stored in the payment profile page before setting up the auto renewal. To add the card details, you can click on the "account" button on the main ribbon, and then click on "my profile" and "payment" tab.

You can manually add a card there. Or if you have successfully created or renewed an LEI before, the card details will also be saved in this payment page.

1.4.4 Submission tracking and invoices

If you would like to check the submission status, you can click on the "account" button on the main ribbon and click on "my request". The tracking number and status will be shown in this page. If you have successfully created an LEI or renewed an LEI earlier, you will also find the invoice shown in the "invoice" column. Feel free to download this pdf file.

2. New LEI registration

2.1 General rules

There are 2 different ways to register for an LEI, via the web form or bulk Excel upload. The Excel template is typically used for submitting multiple records simultaneously.

To be considered for bulk pricing, a minimum of 10 records must be submitted per submission. The maximum amount of records permitted is 250 per bulk submission. (Therefore, in a scenario where you have 255 records to submit be sure to distribute the requests so that both files include at least 10 records).

2.2 Web form submission

Client can submit an application via the web form.

Please see the detailed steps outlined below:

Procedure

- Step 1: To create a new LEI, click the "Create" tab on the LEI Toolbar.
- **Step 2:** You will be prompted with the option of requesting a new LEI using either a web form or a downloadable Excel template.
- **Step 3:** Complete all required fields (*) in the form, including checking the Service Customer Agreement box at the bottom of the page. Additionally, you will have the option of adding supporting documentation in the file tab, by clicking into or dropping a file in the provided box as seen on the next page. You may also save your progress as a draft using the "Save Draft" button.

Bloomberg LEI	Search Blo	g FAQ	Contact	Admin Ad	count 🔻
	Cr	eate Upd	ate Renew	Transfer	Cart
Legal Entity le	dentifie	r (LEI)		
Search "Bloomberg LEIs" by Entity Name, LEI		Bloc	omberg LEIs 🔻	٩	1
	L. A.				
To request a single new LEI, click the Checkout button on the right side of the page. Q of your submission on the My Requests tab. To save a draft of your submission, click or General Addresses Relationships Contact Information File			ive a tracking num	ber. You can ch	eck the stat
Select Entity Category	~		Next:	Addresses	
*Legal Jurisdiction Country 🛛			I have read and a	5	vice
Select Legal Jurisdiction Country	~		Customer Agreen		ed to
*Legal Name 🖲			provide certified docum confirming my authoriza		
Legal Name			the legal entity if		
				1.0	
*Legal Name (English) 🚯			Bloomberg Finar		

General: Legal Name, Entity Category, Legal Jurisdiction Country, Registration Authority, Legal Form, Entity creation date.

Addresses: Legal and Headquarter addresses.

Relationships: Direct and Ultimate parent details (For funds, user must fill in the details of the fund management entity (or Umbrella/ Feeder Fund) details.

Entity events: If there are any

Contact information: Contact name, company, phone.

Files: Reference documents to show the entity general information and authorization form. The authorization form can be downloaded from the FAQ session.

2.3 Bulk Excel workbook submission

Users may submit their LEI requests through a bulk format by using the Excel workbook provided by Bloomberg LEI. This option, along with the standard web form, will be available when beginning the registration or update process. To be considered for bulk pricing, a minimum of 10 records must be submitted per submission. The maximum amount of records permitted is 250 per bulk submission. (Therefore, in a scenario where you have 255 records to submit be sure to distribute the requests so that both files include at least 10 records).

Click the "Download Excel Workbook Template" button as seen below and populate information accordingly using the Basic Sample as a guide if needed. Once the file has been filled out, save it to your local PC and upload it to the site by either clicking into the Upload box and selecting the file or dragging the file into the box.

After clicking Upload Workbook, you will be taken to a second page to review and publish the entered payload data. Each row in the excel file will be represented by a unique payload. Any supporting documentation referenced in the Excel template should be uploaded here using the upload box. Once you have reviewed the payload data, the submission can be published by agreeing to the Service Customer Agreement and clicking the Publish button.

Download LEI Workbook.	Add submissions to the Excel Workbook by completing the required fields on each row. Compatible with Microsoft Excel 2007 or later versions.	
	Use the reference data for certain fields.	
	For Country, Region, Authority ID, and Entity Legal Form Code, please refer to the "Reference Sheet" below.	
	Please look up your field and use the data inside "Value" column.	
	 Download Country/Region Reference Sheet Download Authority ID Reference Sheet Download Entity Legal Form Code Reference Sheet 	
	Blank Template Excel Workbook Template 🗻	

2.4 Shopping cart and payment form

If you have multiple LEIs to submit, you can use shopping carts to submit them altogether. After using the web form to submit the entity details, you can select the option of "Add to cart" to add this item into a shopping cart. After adding all your LEIs into the cart, you can proceed to the "Cart" session at the toggle bar and checkout all of them together.

Payment

After submitting the Web Form or the Excel Workbook, you will be prompted for payment. You are to complete all required fields (*) of the form, using ASCII characters only. Taxation is determined based on the country of the domicile address. Once you have submitted your payment information using the Finalize Order button, the payment details will be authorized and stored alongside the registration data previously submitted. Please note your credit card will NOT be charged until the submission is renewed and approved by our analysts. Clients will see a charge on their credit card, but it is merely a hold until the submission is completed. your credit card will not be charged until the submission is completed. Clients will see a charge on their credit card, but it is merely a hold until the submission is completed.

The website will auto populate previously submitted payment details upon subsequent visits.

Payment Form	
Go Back 1. LEI Details 2. Payment Details	
Please finish the payment before you submit another LEI request, otherwise your current submission data will be cleared.	
riease finish the payment before you submit another LEI request, otherwise your current submission data will be cleared.	
Payment Information Collapse -	Price Information
Conapse •	
* Payment Method	New LEI for my company
Select a Payment Method	Base Price: \$65.00 USD Quantity: 1
	-
	* Tax: \$0.00 USD
□ Auto renew 30 days before next expiry.	** Est. Total: \$65.00 USD
LEIs under this submission will auto renew every year. We will charge the card or payment method selected here.	Est. Iotal: \$65.00 03D
Company Information and Domicile Address Collapse -	Finalize Order
This address is used to calculate the taxes for your purchase, and will also be used on the invoice. Please note that once an invoice is issued, it cannot be	
changed with updated or new information.	
Are you 💿 an entrepreneur/business 🔿 or government body, other public entity 〇 or private individual?	
* Company	
Company Name	
Please enter a valid company name in your domicile address.	

3. LEI renewals

3.1 General rules

Renewals utilize the same bulk form and web form submission templates as creating and updating records. Renewals require payments and are expected annually.

3.2 Manual renewal (web form submission)

User can renew the LEI manually by visiting the LEI portal and submit the request once a year.

Procedure

- Step 1: To renew a new LEI, click the "Renew" tab on the LEI Toolbar.
- **Step 2:** You will be prompted with the option of accessing the web form or using a downloadable Excel template, choose the web form and click on the LEI number.
- **Step 3:** Review all pre-populated data fields (*) in the form, including checking the Service Customer Agreement box at the bottom of the page. Additionally, you will have the option of adding supporting documentation in the file tab if you have updated any entity data. Our team will verify the data based on supporting document and publicly available data.

There are 6 different tabs in the form and users will need to go over all of them and edit the data accordingly. We have added a new field of "Entity Creation date" field in the general tab and it is now a mandatory field.

Step 4: Upload supporting documents which state the name, registry ID, entity creation date and addresses if they are available.

Renew LEI Application * 1. LEI Details 2. Payment Details		
To renew a single LEI, click the Checkout button on the right side of the page. On successful comp your submission on the My Requests tab. To save a draft of your submission, click on the Save Dra General Addresses Relationships Entity Events Contact Information	ft button.	receive a tracking number. You can check the status of
Reference Files	Collapse 🔻	
Select or drop reference documents here. Total attachment size limit 12 MB and accept .pdf,.xlsx,.xls,.csv,.doc,.docx.		I have read and agree to the Service Customer Agreement. Further, I
Please use the above section to upload any reference documents related to your submis (This may include items such as the entity's certificate of incorporation, or a corporate fili		understand that I may be required to provide certified documentation confirming my authorization on behalf of
		the legal entity if requested by Bloomberg Finance LP. Checkout Add To Cart Save Draft

3.3 Manual renewal (bulk excel submission)

Users may renew multiple LEIs through a bulk format by using the Excel workbook provided by Bloomberg LEI. To be considered for bulk discounted pricing, a minimum of 10 records must be submitted per submission. The maximum number of records permitted is 250 per bulk submission. (Therefore, in a scenario where you have 255 records to submit be sure to distribute the requests so that both files include at least 10 records).

Procedure

Step 1:	Click the "Renew" tab on the LEI Toolbar.
Step 2:	You will be prompted with the option of accessing the web form or using a downloadable Excel template, choose the "Excel Workbook"
Step 3:	Copy the LEI number in the "export your LEI to excel workbook" drop box
Step 4:	Review all pre-populated data fields (*) in the excel workbook, prepare a supporting document, and add the file name to the last column CT with the name of Reference
Step 5:	After clicking Upload Workbook, you will be taken to a second page to review and publish the entered payload data. Each row in the excel file will be represented by a unique payload.
Sten 6.	Any supporting documentation referenced in the Excel template should

Step 6: Any supporting documentation referenced in the Excel template should be uploaded here using the upload box.

Renew LEI Applica	n				
1. Provide Submission Data	Review and Publish 3. Payment Details				
Download LEI	Add submissions to the Excel Workbook by completing the required fields on each				
Workbook.	row. Compatible with Microsoft Excel 2007 or later versions.				
	Use the reference data for certain fields.				
	For Country, Region, Authority ID, and Entity Legal Form Code, please refer to the "Reference Sheet" bel	ow.			
	Please look up your field and use the data inside "Value" column.				
	 Download Country/Region Reference Sheet 📥 				
	Download Authority ID Reference Sheet 🛓				
	·				
	 Download Entity Legal Form Code Reference Sheet 📩 				
	Blank Template				
	Excel Workbook Template 📩				
	From My Requests Page				
	You can also export an <i>LEI</i> to an Excel Workbook by following these steps:				
	1. Go to My Requests				
	2. Click on LEIs tab to view the LEIs you would like to update or renew.				
	3. Click on Download link under Actions column.				

3.4 Auto renewal

Auto Renew is a feature that allows LEIs to be renewed on a recurrent annual basis without users having to submit a renewal application. Before setting this up, users should ensure their payment details are up-to-date. To check and amend payment details users will need to log in and go to Account, My Profile, Payment tab.

To set up Auto Renew users can go to Account, My Requests, Auto Renew tab. Here they can select the LEI(s) and then set day, month and payment type. By clicking on "Add/Edit LEI(s)" they will save the setting. If the user wishes to set up Auto Renew for all of their LEIs simultaneously they should first select a date and payment method and then click on "Add/Edit All" to save. Users will receive a confirmation email of the successful setup of Auto-Renew.

The date chosen as "Auto Renew date" will determine when the automated renewal application will be submitted to our team for review. Please note: This may not be the actual day of the renewal completion, as it may take a few days to process the application. Therefore, we suggest selecting a date prior to the LEI expiration (Next Renewal Date).

Users will be notified via email of the submission and later on of the completion of their renewal application. The payment will be charged on the selected card once the renewal has been confirmed and an invoice will be sent within 24 hours of completion.

Auto Renew can be removed or amended any time on the same Auto Renew tab. Please be aware that cancelling the Auto Renew setup on or after the Auto Renew date will not cancel a renewal application that has already been generated.

My Requests – Auto R	enew						
				on an annual recurrent basis as long as your payment dit card is never used, we use the latest domicile addre		w request must be submitted before	Ilpm UTC time. We use the
For more information about Auto Renew, che	ck out our FAQ.						
Search							
Select month 🗸 Select day 🗸	Invoice Me	LEIs Cancel 58 LEIs					
For Bulk LB orders, Bloomberg offers the ability to b	II the user and be paid via wire, ACH(US), or check. Once	the option is selected, Bloomberg will review the reques	t and send out an invoice with payment ins	tructions specific to the domicile country.			
Submissions LEIs Drafts Auto P	tenew 🙆 Ownership Transfer						Export All Items
LE v	Legal Name	Auto Renew Date ~	Payment Type	 Registration Status 	 Next Renewal Date . 	 Last Modified Date 	- Select -
5299006K7RKWRF4GYZ05	MERCEDES BENZ COMPAÑIA FINANCIE			Lapsed	2018-08-09		0 ^
549300EU3XZD9WUJS640	BKM HAC 222, LLC			Issued	2024-01-21		0
549300YEBGBI4GDHN264	Weston Inc.			Issued	2023-12-30		0
5791008KDDEFFCCH8008	BANCO CREDICOOP COOPERATIVO LTDC			Lapsed	2018-11-28		0
5791008KDDIDGJEHJ020	BANCO RIOJA SOCIEDAD ANONIMA U			Laosed	2017-06-09		0

3.5 Updating the auto renewal details

To change the credit card or auto renew date, you can visit the Auto renew tab in the my request session.

- Step 1: Go to "Account"->"My Profile"->"Payment" and add your new card details. Click "Add Card" at the bottom of the page
 Step 2: After adding the new card details, go to "Account" > "My Requests" > "Auto Renew" and select the LEI you wish to update the payment for.
- Step 3: Select the month/day and the payment type (Card) and then select the newly added credit card. Click on "Add/Edit".

4. LEI transfer

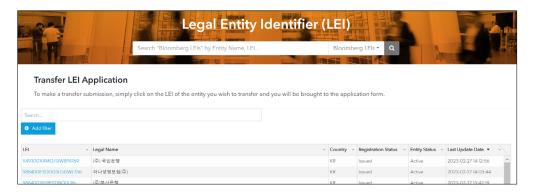
4.1 Transferring an LEI to Bloomberg

Users may request that management of their existing LEI record(s) currently registered with another LOU be transferred to Bloomberg. This request can be submitted on the Transfer tab. While the identifier itself will not change, the ongoing maintenance and administration of the LEI will be transferred. There is no fee to transfer unless the current registration status of your LEI is Lapsed. In this case you will be charged a renewal fee at the time of transfer. Bloomberg must rely on the action of the other LOU in order to complete the whole transfer process. Therefore, the process might take longer.

4.2 Transfer-in procedure (web form submission)

To transfer fewer than 10 LEI number, you can use our web form to submit your transfer request.

- Step 1: Click on the "Transfer" button in the LEI toolbar.
- **Step 2**: You will be prompted with the option of accessing the Web form or using a downloadable Excel Workbook.
- **Step 3:** If you already have your single LEI that you would like to transfer, you can click on the web form button and just copy the number in the search bar.
- **Step 4:** Click on the LEI number and review the data in the form. Please upload supporting document in the files if you have updated any entity data.
- Step 5: Please choose either "transfer and renew" or "only transfer my LEI". If your LEI is currently lapsed or will be lapse in 10 days, you will be prompted for payment details to renew the LEI.



4.2.1 Transfer-in procedure (bulk submission)

To transfer 10 or more than 10 LEI, you are recommended to use our excel workbook to make the transfer request

Procedure

Step 1:	Click on the "Transfer" button in the LEI toolbar.							
Step 2:	Then, please choose the excel workbook option.							
Step 3:	Copy the LEI number in the "export your LEI to excel workbook: drop box and export the file							
Step 4:	Review the data in the excel workbook and add the supporting document name in the last column with the name of reference if you have updated any entity data. We require a supporting document like the business registration document which shows the updated information.							
Step 5:	Please choose either "transfer and renew" or "only transfer my LEI". If your LEI is currently lapsed or will be lapse in 10 days, you will be prompted for payment details to renew the LEI.							
Download LE Workbook.	Add submissions to the Excel Workbook by completing the required fields on each row. Compatible with Microsoft Excel 2007 or later versions.							
	Use the reference data for certain fields. For <i>Country, Region, Authority ID</i> , and <i>Entity Legal Form Code</i> , please refer to the "Reference Sheet" below. Please look up your field and use the data inside "Value" column.							
	Download Country/Region Reference Sheet 📩							
	• Download Authority ID Reference Sheet 📩							
	Download Entity Legal Form Code Reference Sheet 📩							
	Blank Template Excel Workbook Template 🛓							
	Export your LEI(s) to Excel Workbook You can find your LEIs in Additional LEIs tab in the search page. Input your LEIs below, one LEI per line, no space or comma, and you will be able to export the associated reference data into excel. At this time you may only provide 250 LEIs.							
	Export 0 Items (max: 250)							

4.3 LEI partner of Bloomberg

Bloomberg provides single and bulk LEI Registration for you. If your firm would like to register for more than 250 LEIs, we also offer customized solution and become a LEI partner of Bloomberg. The customized solution allows you to obtain your LEI faster and easier. Please contact us at lei-support@bloomberg.net if you are interested.

5. LEI update

5.1 Updating your LEI records - general guidance

Updating records can be done for individual records and in bulk using the web form or excel template described above. It is important to note that updates do not require payment. Throughout a given registration period (LEI Registration status is Issued), you are free to update your LEI as often as you would like. Typical examples of updates are in response to corporate actions of your company such as a name change, a location change, or a change in incorporation. Generally, you cannot submit an update if your record is in LAPSED registration state. If your LEI is LAPSED, you would need to renew it first in order to make an update.

5.2 Update procedure (web form submission)

To make an update with your LEI, you can either come to our "Web Form" or "Excel Workbook" page where you can see your LEIs. The following steps share how you can update the record by using the my requests function. Or if you have the LEI number, you can copy and paste the number in the box next to "Web Form" selection and you will be directed to the same web form.

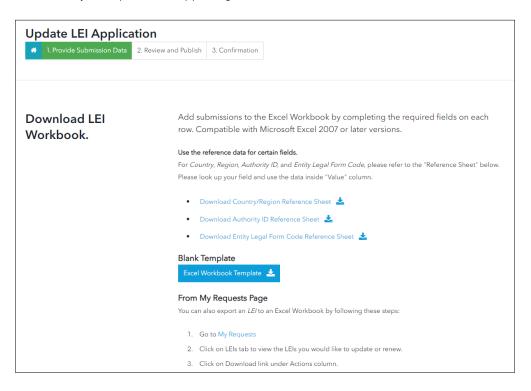
- **Step 1:** Click on the "Update" button in the LEI toolbar.
- **Step 2:** You will be prompted with the option of accessing the My requests, Web form or using a downloadable Excel Workbook.
- **Step 3:** If you choose the my request option, you will then need to go to click on the second tab of "LEI" to view the whole list of LEIs managed by you.
- **Step 4:** You can click on "update" in the Item Actions column and review the data in the web form.
- **Step 5:** If you have updated any entity data in the web form, data in the entity events will need to be filled. Please update the event type, effective date and select the type of validation documents.
- **Step 6:** Please upload a supporting document which shows the updated data. For example, if you have updated the name of the entity, please provide a business registration document or change of name document.

Update LEI Application 1, LEI Details 2. Payment Details	
To update a single LEI, click the Submit button on the right side of the page. On successful completion you will	receive a tracking number. You can check the status of your
submission on the My Requests tab. To save a draft of your submission, click on the Save Draft button.	
Renew this LEI	
General Addresses Relationships Entity Events Contact Information Files	
*Entity Category 🛛	Next: Addresses
GENERAL 🗸	 Control (1) Control (1) Contr
*Legal Jurisdiction Country	□ I have read and agree to the Service
UNITED STATES 🗸	Customer Agreement. Further, I understand that I may be required to
Legal Jurisdiction Region	provide certified documentation confirming my authorization on behalf of
Ohio (US-OH) 🗸	the legal entity if requested by
*Legal Name (Local Language) 🖲	Bloomberg Finance LP.
Weston Inc.	Submit Add to Cart Save Draft

5.3 Update procedure (bulk submission)

To update 10 or more than 10 LEIs, you are recommended to use our excel workbook to make the update request.

- Step 1: Click on the "Update" button in the LEI toolbar.
- Step 2: Then, please choose the excel workbook option.
- **Step 3:** Copy the LEI number in the "export your LEI to excel workbook" drop box and export the file.
- **Step 4:** Update the data in the excel workbook and add the supporting document name in the last column with the name of reference if you have updated any entity data. If the document name is abc.pdf, please include the whole name with the file format. (.pdf in this case) We require a supporting document like the business registration document which shows the updated information.



Step 5: Upload the supporting document in the "Files" tab.

6. Frequently asked questions

6.1 LEI ownership transfer

If you would like to change an LEI account owner to another, you can assess the "Transfer Ownership" tab. It can be assessed by clicking on the drop-down under the "Account" button on the Toggle Bar and then click on my requests. For a single ownership transfer, you can provide the LEI an destination username.

To continue the transfer process, click the "Add" button. This will auto-populate the entry under "Confirm your Transfers" section. Then click the "Submit" button to finalize the transfer.

To transfer a list of LEIs to another account, you can use the bulk ownership transfer feature. Please provide a .csv file with the following headers, in order: LEI, Destination Username, Destination email (Optional). Then hit the "Upload" button, to auto-populate the entry under "Confirm your Transfers" section. Then click the "Submit" button to finalize the transfer.

If you cannot access the original account, you will need to email a copy of the signed self or third party authorization form, the LEI and destination username details to our support team. (lei-support@bloomberg.net) The authorization form can be downloaded in the FAQ and reference documents session.

6.2 Forgot your password

The password can be modified any time if you have forgotten it. Please click on Login at the Toggle bar and come to the "forgot password? Reset it here" page. A 2 factor login code will be sent to your email associated with the user account.

6.3 Technical errors

Technical issues may prevent you from moving forward. To resolve common issues follow the below steps. Please verify whether you are able to proceed after each.

General Issues

- 1. Confirm that you are using a compatible browser.
- 2. Delete your browser cookies, storage, and refresh your page.
- 3. Try to log in again to re-establish your session.
- 4. Switch to a different, fully compatible browser.

Missing Emails

- 1. Check your spam folder.
- 2. Verify your compatibility.

Please contact LEI Support at lei-support@bloomberg.net to get additional assistance.

6.4 LEI Payment Methods

There are 2 main payment methods with the LEI services:

- 1. Credit Card: Less than 10 LEIs in one submission
- 2. Credit Card or Invoice: 10 or more LEIs in one submission

6.5 Other FAQ

For further questions, please check our FAQ page. https://lei.bloomberg.com/docs/faq#

About the Bloomberg Terminal.

Since 1981, business and financial professionals have depended on the Bloomberg Terminal® for the realtime data, news and analytics they need to make the decisions that matter. The Terminal provides information on every asset class – from fixed income to equities, foreign exchange to commodities, derivatives to mortgages – all seamlessly integrated with on-demand multimedia content, extensive electronic-trading capabilities and a superior communications network.



Bloomberg

			\$50	81M		·4 00%
to Laggers		\$20	-145	+5.88	-1.013	14,770
Last Price Last Price (1 We Last Price 12631.97	-1.23%				1028	+3.12%
				+3.92%		10.040
d	-0.16%	+0.83%	+0.21	+13.88%	+2.37	0.20
	-0.21%			+11.86%	+6.11	+8.20%
100000000000000000000000000000000000000	-0.37%	+0.33%	0.419	+8.99%	+0.60%	= 0.00
NDEX	-0.38%	+0.37%		+7.20%	+3.52%	+14.11%
VDEX ~~~ 1369.98	-0.71%	+0.92%		+12.95%	+5.89%	+6.72%
NDEX 1113.23	-0.94%	+0.920		+6.82%	-0.09% -6.94%	+8.09%
P IDX 1520.75	-1.33%		-2.79%	+8.58%	-0.26%	+7.37%
1458.38	-1.36%	+0.03%	-1.55%	+8.57%	+1.28%	+5.94%
EX 1607.94	-1.44%			+7.05%	-0.63%	+6.41%
IDX 117017.24	-1.54% -1.54%		-2.13%	+7.76%	+2.45%	
INDX	-1.54%	-2.38%		+5.76%	+7.95%	+5.56%
DEX 1882.04	-0.22%	+0.42%	+1.15%	+6.92%	+3.57%	+14.02%
EQP 11088.03	+1.26%	+2.16%	+2.42%	+15.47%	+6.06%	+0.85%
156.21	+0.91%	+1.90%		+2.06%	+3.20%	+7.38%
/2/12	+0.75%			+9.04%	+9.89%	+13.75%
	+0.61%	+2.62%	+1.45%	+14.86%	-2.26%	+1.49%
	+0.30%	+1.79%	+1.04%	+2.74%	+8.68%	+14.55%
110.10	+0.25%	+2.07%	+2.44%	+16.64%	+17.39%	+19.29%
	-0.46%	+3.13%	+2.44%	+21.34%	+7.24%	+0.08%
d †117.99	-0.78%	-0.99%		+0.41% +19.93%	+14.11%	+17.31%
d ~~ ~ 191.99	-0.84%	+2.04%	-0.35%		+22.81%	+24.68%
d + 520.10	-0.92%	+0.93%	+4.89%	+26.91%	+5.11%	+2.61%
d = 538.30	-0.98%	-2.76%	-0.20%	+3.69% +5.11%	+14.40%	+3.15%
d سبير 1102.20	-0.98%	+2.61%	+2.67%		+0.35%	+0.87%
d ~~~~ 100.45	-1.24%			+1.43%	-8.12%	+1.65%
d	+0.07%	+0.28%		+1.80% +5.60%	+4.29%	+4.76%
	-0.31%	+1.60%		+3.60%	+1.19%	+3.33%
DEX 11155.12	-1.18%		-1.11%	+4.03%	-0.13%	+0.10%
IDX 1856.61	-1.33%		-3.66%	+1.37%	+5.22%	+0.81%
F SU 1573.80	+0.11%	-0.60%	+0.04%	+2.05%	+4.43%	+0.84%
10X t131.19	+2.44%	+4.76%	+2.86%	+4.75%	+4.82%	+4.92%
0 ~~ **	+0.99%	+0.40%		-4.04%	+6.19%	-4.65%
1 108.64	+0.48%	-2.51%	-7.04% -7.20%	-3.51%	+9.32%	-3.53%
d 163.44	-0.24%		-4.74%	-3.96%	-0.528	-4.60%
J J147.05	-0.43%	-1.42%	+1.86%	+2.13%	+5.99%	+1.31%
(Jana 193.12	010100	-1.25%	-3.65%	+11.79%	-26.07%	+10.59%
d ~~~ k [7.255		+3.64%	-0.13%	+0.49%	-0.62%	+0.29%
EX †269.40	01000		+0.03%	+2.60%	-18.89%	+1.50%
ty ~~ ↑1013.61		+1.48%	+2.95%	+19.13%	+22.38%	+15.38%
f71.63 محمد ا		+1.39%	+5.11%	+18.42%	+5.47%	+16.81%
d hum yr 15.43		+4.54%	+5.11%	+17.88%	-1.99%	+17.15%
d 🗤 k h 143.31			+10.46%	-1.66%	-7.28%	-2.51%
d a av a 15/.9/		+1.20%		+1.55%	-1.56%	
d f30.21 d f46.67		+1.17%	+2.82%	+1.55%	-14.57%	+7.19%
	010110	+2.35%			-11.25%	+23.03%
d ~~~ J24.31	01710	+1.63%	+3.76%	+23.72%	-0.11%	+4.46%
	-0.95%	-0.25% +1.86%	-0.74% +0.22%		-12.11%	+5.78%
d مسمع المسلم (63.12 d	-0.96%					

									10 3D 1M 6M YT	,
_	-					Deskto	p Main	Demo +		MMMM
		arkets	o ¢						2670	N ^N V
H ISa	ve View Views	KAdd Components	: ADS UN Equity • A			3 Mo %	YTD %	1Y %	2660 -	
			F ADS ON Equily	%Chg	1 Mo %	+5.96%	+7.29%	+13.60%	2000	M
		Last Price	Los	+.36%	7.32%			+24.56%		V
	icker	206.37		159	11.01%	+8.13%	+10.40%		2650	A
	- SSREAL	ormers (10)		+.65%	7.17%	+9.48%	+7.54% +6.25%		1 NW	M.
			L	+.07%	6.91%	+3.89%	+0.23%		2640	N M
	BXP EOR	d 171.14	•	+.76%	8.06%		+4.27%			NV V
	MAA	d 101.83	,	+.77%	3.76%	+10.05% +9.86%	+8.00%	+9.50%	2631.42	La (W
4	REG	d 165.72	•	+.90%	8.69%	+9.80%	+6.03%	+9.83%		
4		142 80 • · · · ·		+1.20%	5.94%	+8.74%	+15.49%	+6.06%	1	12:00 1
â	UDR	d 373.88		+1.32%	12.80%	+7.70%	+4.38%	+17.20%	12:00	14:00 25 Jan 201
4	EQUIX	d 116.92	•	+1.33%	4.98% .18%			-3.25%	24 Ja	in 2019 I
đ	KIM EXR	d 194.39	L.	+1.76%	.10%			. 26 41%		
		d 1106.00		58%	11.28%	+14.50%	+10.86%	+26.41% +26.55%		1V 5V Max 3 Min Table
	 Bottom P 	erformers (10)		56%	8,26%	+16.34%	+8.66%	+22.95%	1D 3D 1M 6M YT) 1Y 5Y Max 3 Min Table
	CBRE	d 1476 27		44%		+11.40%	+5.36%	· · · · · · · · · · · · · · · · · · ·	10 30	
4	SBAC	144 68		12%		-3.28%	+11.26%	+33.55%		
	AMT	d †25.67		+.14%	11.33%	+18.31%	+8.18%	-8.14%		
	WY IRM	d 36.10	•	+.17%	8.25%	+15.26% +3.64%	+8.90%	+11.36%		
d,	WELL	d 75.07		+.18%	10.15%	+3.04%	+2.00%	+18.81%		ي المسلم ا
4	ARE	d 1125.64		+.25%	2.25% 5.47%	+10.13%	+4.97%			
4	PSA	d 1206.15	· · · · · · · · · · · · · · · · · · ·	+.31%	5.4/% 7.02%	82%	+7.16%	-5.38%	741	A
2	CCI	d 1114.05	L	+.39%	7.020					P 1 240 U
a.	VNO			+.40%	9.27%	+15.01%	+9.08%	+38.45%	h h	
		g Securities (12) 30.49		+.47%	5.81%			+15.15%	مادا الما ^{لع ال} مارية ^{الع} ادية	
	HCP SPG	d 1177.95		+.50%	13.44%	+2.98%	+12.99%	+12.72% +11.20%		
	PLD	d 166.34 •		+.54%	7.53%	-10.03%	+7.19% +5.46%	+.02%		
	MAC	d 146.39	•	+.57%	5.40%	-4.32%	+5.40%	+17.96%		
	HST	d 17.59		+.59%	13.89%	+5.09% +5.45%	+9.45%		04 07 08 09 1	0 11 14 15 16 17 18 2
	DRE	d †29.13	•	+.59%	7.37%	+5.45%	+7.83%	+4.00%	04 07 08 09 1 149.91	Jan 2019
	FRT	d 129.215		+.60%	7.45% 10.90%	+0.05%	+9.89%	+20.91%	149.91	
al	ESS	d 1264.40 d 148.34	••	+.62%	5.86%	+10.56%	+7.25%	+35.40%		
al.	AIV VTR	d 162.82	•	+.62%	8.62%	+7.24%	+7.76%	+9.69%		
	AVB	d 187.84		-1.75%	7.51%		+6.17%		1D 3D 1M 6M YIL	
	SSRETL	d †2072.27 •		-1.750					200	L [L]] [L] []
	 Top Perfo 	rmers (10)		44%		+5.18%	+4.94%	+7.25%	190	
	SLG	d †113.70	L	42%		+23.57%	+5.94%	+7.76%	190	
	DG	d 156.51	· · · · · · · · · · · · · · · · · · ·	32%		+5.13%	+18.03%	+6.17%	179.60	╺╻╻╻╻╻╻╻╻
	FL	d 1289./8		12%		-5.50%	12%	+13.21% +18.95%		
	ULTA GPS	d 125.65		03\$	1.12%	-3.05%	+3.70%	+10.95%	170 -	
4	GPS FXPF	d 1153.74	••	+.34%	1.27%	-6.73%	-3.28% 14.07%	+18.03%	100	1.
4	AAP	d 125.66	•	+.59%	14.76%	-20.95% +2.55%	+5.43%	+18.05%	160 -	1
	М	d 1815.15	•	+.72%	5.83% 20.82%	+2.55%	+21.55%	+7.36%	150 -	
	BKNG	d 134.13		+1.22% +2.03%	20.82%	+24.00%	+9.31%	+16.69%	ADS UN Equity - P	ice Change 1 Day Percent (R1) 1.0811
	EBAY	d ↑28.21 •	•	±2.03%	10.213		71020		140 - ADS UN Equity - La	ist Price (L1) 179.00
		erformers (10)		-3.03%	9.44%	-1.54%	+7.96%	+14.97%	Nov 15	Nov 30 Dec 14
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