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Rules for Accessing and Registering in the ISA e-voting system by TASE Members August 2020

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Rules for Accessing and Registering in the ISA e-voting system by TASE Members August 2020

According to the Securities Law 5728-1968

Notice is hereby given that the Israel Securities Authority (“the ISA”) has determined the following Rules, by the power vested in it under Section 44K4(a)(3) and (4) of the Securities Law 5728-1968 (“the Law”):

Chapter A: Interpretation

Definitions

1. In these Rules: -
 - “Clearing Member” - a TASE member who clears transactions through the TASE clearing system (TASECH);
 - “Reporting Company” – the entity that reports a Notice of Meeting on Magna;
 - “Legislation” – statute or regulations, and directives or rules determined by the ISA;
 - “Customer Eligible to Vote” – a customer of a TASE member who, on the Date of Record holds securities relevant for a meeting through their account with a TASE member;
 - “Customer Eligible to E-Vote” – a Customer Eligible to Vote who did not submit a written waiver to a TASE member, as defined by legislation; waiving their right to vote on the electronic voting system;
 - “Magna” – as defined in the Securities Regulations (Electronic Signing and Reporting) 5763-2003;
 - “Electronic Certificate” – as defined in the Electronic Signature Law 5761-2001;
 - “Date of Record”¹ – the date as was determine by the Reporting Company at the Notice of Holders’ Meeting that was submitted to Magna;



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- “E-Voting System” or “the System” – as defined in Section 44K(2)(1) of the Securities Law;
“System Access Code” – a code that a TASE member generates for a Customer Eligible to E-Vote;
- Status of these Rules 2. These Rules complement the provisions of the Law and the regulations promulgated under it concerning e-voting, and should be read subject to provisions of the Law and the regulations under it.
- Commencement date 3. (a) The Rules will come into force when the Securities Regulations (Voting in Writing and Proof of Ownership of Option Warrants for Voting in a Meeting of Option Warrant Holders) 5775-2014 (“the Warrant Option Regulations”) come into force
- (b) The commencement date of the System’s operation is the date on which the Warrant Option Regulations come into force (“the Commencement Date”). Holders of securities may vote via the System in any meeting in respect of which notice was duly published via Magna on or after the Commencement Date. For this purpose – “Notice” – a new filing submitted on Form 460T or 460C or 460A, or a complementary filing or a correction for Form 460T or 460C or 460A, with reference to meetings whose Date of Record falls on or after the Commencement Date.

Chapter B: General

- The purpose of the System 4. The voting site in the E-Voting System is designed to allow all securities Holders to vote online on topics on the agenda of meetings of companies whose securities they hold, after completing a secure authentication process.
- The purpose of the Rules 5. The purpose of the Rules is to instruct TASE members on how to interface with the E-Voting System and the



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actions they must take to operate the system on behalf of their customers.

Primary system procedures

6.

These are the key procedures in the E-Voting System (see Appendix F - Flow Chart of the Primary System Procedures):

- (a) A Reporting Company submits a Notice of Meeting via Magna;
- (b) A TASE member receives a Magna filing on the convention of a meeting;
- (c) After the Date of Record, the TASE member uses the interface to the E-Voting System that they created to submit details of their customers who are Holders of the securities relevant for the meeting (identifying details, each Holder's Personal Access Code to the E-Voting System for the meeting, details of the securities held, and details of the quantities held);
- (d) The TASE member conveys to the Holders details of the meeting and a System Access Code (that the TASE member submitted to the E-Voting System); Details are conveyed to the Holders promptly after receiving confirmation that the Holders' details were received by the System;
- (e) The System allows Holders to access the System and vote, after identifying themselves using the Personal Access Code issued by the TASE member or using an Electronic Certificate for Authorized Voters (for Authorized Voters, see Rules of Registration and Access for Authorized Voters) or using a smart identity card;
- (f) When the voting process is completed, the results of the online vote are transmitted through the secure email system ("Yael") that is integrated with the E-Voting System, to the entity that filed the Notice of the Meeting. The System retains a



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log of the voting procedure and the results of the online vote.

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| TASE members' responsibilities | 7. | <p>TASE members are responsible for the following areas with respect to the Voting System:</p> <ul style="list-style-type: none">(a) Receipt of Notices of Meetings filed on Magna – receipt of information from Magna (Date of Record, security no., company no., etc.) regarding meetings in respect of which the TASE member is required to submit data to the Voting System and to the Holders;(b) TASE member submits details of Customers Eligible to Vote on the System to the Voting System, and receives confirmation of data integrity from the Voting System;(c) Actions vis a vis customers – Transmits access code and information on the meeting to Customers Eligible to Vote on the System, promptly after receiving confirmation from the System that the customer's data was received. |
| Directives for TASE members | 8. | <p>TASE members must comply with the following instructions:</p> <ul style="list-style-type: none">(a) A TASE member who created an interface with the System, as described in these Rules must operate the interface when a Notice of a Meeting of a Reporting Company is filed, even if the TASE member does not have customers who are relevant Holders for that meeting. In such case, the TASE member will enter "0" in the field "totalVoters." This is also the case for meetings in which no voting is scheduled;(b) The TASE member must respond to three types of forms that are used to call a meeting: Form 460T (used by a corporation to convene a meeting), Form C460 (used to convene a meeting of a dual- |



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listed company), and Form 460A (used by a bond trustee to convene a meeting);

- (c) If a bond trustee convenes a meeting, the identifying number of the company that issued the securities in respect of which the ownership confirmation was issued is not necessarily the same as the identifying number of the company that convened the meeting. In this case, meetings will be convened using Form 460A.
- (d) The Notice of Meeting forms also have a checkbox to note whether the meeting is being called by the court. In this case, the Date of Record may be prior to the date the Notice of Meeting is filed via Magna. Similarly, if a meeting is convened prior to the Commencement Date, and a correction is filed after the Commencement Date, the Date of Record may be prior to the filing date. In such cases, the TASE member, if unable to do so, is not required to submit information on the Holders of that meeting;
Furthermore, if a Notice is filed on Form C460 the Date of Record may be prior to the filing date
- (e) If the TASE member administers a joint securities account in the partners may not issue orders independently, the TASE member must receive instructions from the partners regarding the relationship between the partners with respect to voting in the Voting System. If the partners do not define their relationship, the TASE member may refrain from submitting this account's Holdings to the System or refrain from transmitting an access code to the account holders;
- (f) In order to prevent duplication, a Clearing Member will not submit to the System data of other non-clearing members that perform clearing through



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- Him. If the non-clearing member submit their customers' data to the System directly.;
- (g) In special cases, a Notice of Meeting may be filed on the Date of Record itself. The Date of Record may be deferred, and other information on the Notice of Meeting Form may be modified up to the end of the Date of Record. Therefore, information on Customers Eligible to Vote in System will be submitted in the window from the end of the Date of record to 10 AM of the following morning (each TASE member may submit at the time convenient for them);
 - (h) A TASE member who does not retain details of customers or does not act as a custodian of the balances of their customers' securities, or whose customers have waived, in writing, the use the Voting System, will not be required to interface with the E-Voting System, subject to ISA approval;
 - (i) Entities that are not TASE members and retain details of customers, and the TASE member who performs clearing for them does not retain such information, may interface with the E-Voting System, after coordinating the same with the ISA;
 - (j) A TASE member is required to use the System to submit Holders' data to the System and to give notice to Holders that a meeting is convened, even if all the topics on the agenda of the meeting are marked "for information only" by the company;
 - (k) If a TASE member submits a correction to the file of Holders' data, the TASE member will inform all the Holders whose information was modified of the correction. If the correction may cause a Holder's vote to be deleted (due to a change in holdings or deletion of a holder's record), the



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TASE member will inform the Holder that their vote may have been deleted and that the Holder must vote again to ensure that their vote is received.

Chapter C: Technical Specifications – Interface Used by TASE Members to Submit Data to the Voting System

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| Secondary website | 9. | The Voting System includes a primary website and a secondary website. To increase system redundancies, TASE members must be able to interface with the primary Voting website and with the secondary (DR) voting website. Data are typically submitted only through the System's primary website. Data are transmitted through the secondary website only when System operations are shifted to the secondary website. |
| Interface specifications | 10. | The interface between TASE members and the Voting System will be based on an API provided by the Voting System. Access to the API will be based on an encrypted intermediary and SSL authentication (using the interfacing entity's permanent IP addresses). |
| Broadband width requirements | 11. | Consequently, TASE members are not required to maintain dedicated lines of communication. However, because files uploaded to the interface may contain thousands of records, TASE members are advised to use a bandwidth of at least 2 MB that is free for uploading. TASE members are required to activate the API and receive a completed acknowledgement of delivery. |
| Signing the file | 12 | The TASE member will digitally sign the request, which includes the JSON file that contains the Holders' data, as described in these Rules below. |

Chapter D: Preliminary Processes Before Submitting Files Containing Holders' Data

- | | | |
|-----------------------------|-----|---|
| Appointing a contact person | 13. | The TASE member must submit to the ISA, using the form attached in Appendix A (Form for Registering a TASE member's Contact Person Interacting with the |
|-----------------------------|-----|---|



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Voting System), details of its employee appointed as the contact person with the ISA in all matters related to interacting with the Voting System. The form must be transmitted to the ISA using following email address: votes.system@isa.gov.il.

After the contact person is registered, the ISA will transmit to the TASE member a user name, password, and explanations, including explanations about the administration website that the TASE member will use to register the digital certificates that they will use in the future to sign the Holders' data files.

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|--|-----|--|
| Transmitting an IP address | 14. | Registration of the contact person with the ISA also requires the TASE member to transfer to an ISA representative the IP address that the TASE member will use in the future to access the system in order to submit Holders' data. |
| Digital signature and administration website | 15. | A TASE member must digitally sign the requests containing the Holders' data that are being submitted to the Voting System. The administration website was created to allow the Voting System to identify TASE members' digital certificates. The administration website allows TASE members to manage their digital certificates. TASE members are required to upload their digital certificates to the administration website, using the user name and password they received from an ISA representative. |
| Issuing a digital certificate | 16. | To use the System, the TASE member must obtain a digital certificate, which may be acquired in or outside Israel, or the TASE member may issue a certificate independently. |
| Features of the digital certificate | 17. | The digital certificate must be a proper SHA-2 certificate, key length 248 bit, defined for digital signatures (key usage = digital signature), defined "signature algorithm" must be SHA256RSA. |



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Chapter E: Methods of Receiving Data from TASE Members on Customers Eligible to Vote in the System

Description of the methods	18.	<p>The IP address of the API interface is: Votemembers.isa.gov.il.api</p> <p>Requests to the API will be made by sending a request in text format containing a JSON string, as described below, encoded using Base64Url Encode. The request will be sent using HTTPS protocol using POST to the appropriate endpoints according to the method name — that is to say, by appending the method name to the API interface IP address. For example: https://votesmembers.isa.gov.il/api/update</p> <p>(a) Method for sending data of Customers Eligible to E-Vote is: /update</p> <p>The method will receive a call in a text format as described in these Rules.</p> <p>The TASE member may re-activate the interface only for the purpose of submitting a correction to a file. The file must include a list of all the Holders, and not only the corrected records.</p>
Holding data submitted via the interface	19.	<p>Holding data will be submitted via the interface for a single meeting, security, or date, and will include the following details:</p> <ul style="list-style-type: none">(a) The identifying number of the TASE member in the Registrar of Companies;(b) The meeting number (the reference number of the first Notice of Meeting of this meeting filed via Magna)([referenceNumber]);(c) Date of the confirmation of ownership (matches the Date of Record of the specific meeting);(d) The number of the security in respect of which confirmation of ownership/confirmation of holding is submitted;



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- (e) Registrar of Companies number of the company that issued the Notice of Meeting for a security in respect of which the ownership confirmation is being submitted (when Form 460A is used, the notifying company differs from the issuing company)
- (f) Number of records of holders submitted via the interface.

Data Transfer Table 20. The TASE member must submit data to the System according to the following table:

Serial no.	Tag	Description	Type	Length	Compulsory	Notes
1	TASEMemberID	No. in the TASE Members Register	TEXT	20	+	No. in the register (attached in Appendix E).
2	securitiesIssuerRegisterID	CN of the company convening the meeting	TEXT	20	+	Companies Register no. of the company that filed a Notice of Meeting of Holders on Magna, in respect of which the ownership confirmation was issued (not necessarily identical to the no. of the issuer company, because the convening company may be the bond trustee).
3	referenceNumber	Reference no.*	TEXT	14	+	If a correction or supplementary information was submitted, this number is identical to the reference number of the first filing of the Notice of the Meeting. * Beginning in mid-April, filings of Notices of Meetings will include a field "UniqueMeetingProofId."



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4	securitiesNumber	Security no.	INT	-	+	The number of the security in respect of which the confirmation of ownership was issued.
5	ownershipConfirmationDate	Date of ownership confirmation	DATE	10	+	DD/MM/YYYY
6	totalVoters	No. of records of holders whose data is being submitted via the interface	INT	-	+	Used for control puporses. If the value = 0, there are no holders of these securities on the Date of Record.
<p>Voters – customers eligible to vote in the System. Each voter is represented as an object in the voterDetails array. Note: voters may be private individuals or corporations.</p>						
7	voterIndex	Serial no.	TEXT	150	+	Unique identifier that the TASE member generates for each Holder. In JSON the response returns this value for each record, allowing the TASE member to easily match requests and responses. The unique identifier is used for one-to-one authentication of the account (for a specific meeting) and therefore, this number should also be used in any correction or modification to Holders' data (for that meeting). The ISA advises that this value be the hashed account number.
8	identityTypeCode	Voter identifier type	INT	-	+	Codes: 1 = ID 2 = Passport 3 = CN 4 = Other individual 5 = Other corporate no.*



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9	identityID	Voter identifier	TEXT	20	+	Individual voters – only 1, 2, and 4. Corporate voters – 3 and 5 only. * All entities that are not private individuals (e.g., house committee, partnership, NGO, etc.). Data based on identityTypeCode. If the account holder is a bond trustee, identityID is its number in the mutual fund manager register. If the account holder is an IRA (self-managed provident fund), the IRA customer's identity number will be used and not the number of the company that manages the fund (Note! Do not enter the no. of the managing fund in the otherOwners field). If there are several account holders, the lowest identifier will be used, and the remaining identifiers will be entered into otherOwners.
10	issuingCountry	country	TEXT	20	-	The passport issuer country or country of incorporation. Tag is displayed only if identityTypeCode has one of the following values: 2 = passport 3 = Companiers register no. 4 = Other individual 5 = Other corporate no.
11	voterFirstName	First name of the voter	TEXT	100	+	If corporation – this field remains empty.
12	voterLastName	Voter's surname or	TEXT	100	+	If the voter is a private individual –



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		company name				surname; otherwise – company name. Note! If the account holder is a fund trustee, enter the name of the fund manager. If the account holder is an IRA (self-managed provident fund), enter the customer's name.
13	accessCode	Access code to the system	TEXT	8	+	Structure of the access code: 1) 8 characters; 2) First 2 characters are the TASE member's code, based on Appendix E and the remaining 6 characters are lower and upper-case English letters and numerals only 3) Codes are case sensitive. 4) No other characters are allowed.
14	nostro	Nostro account of an institutional entity	INT	-	-	1 = nostro 0 = otherwise
15	institutionalType	Type of institutional entity	INT	-	-	1 = mutual fund manager 2 = pension fund manager 3 = insurance company 4 = provident fund/education fund manager If the account belongs to a self-managed provident fund account holder, this field remains empty.
16	fundID	Identifier of the fund's investment track or specific fund	TEXT	40	-	1) For mutual funds and ETFs – TASE no. 2) For pension funds – internal Treasury



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						fund no. that appears on Pensiya.net. 3) For provident funds – the provident fund no. that appears on the Gemel-Net system. 4) For insurance companies – the internal no. of the investment track that appears on the Ministry of Treasury site Bituach-Net.
17	fundName	Fund/investment track name	TEXT	100	-	
18	accountNumber	The account number in which the securities are held	TEXT	20	-	This is a mandatory field only for institutional entities. Do not enter this information for Holders that are not institutional entities.
19	holdingAmount	Holding, in no. of units	NUMERIC	15.2	+	Up to 15 digits before the decimal point and up to 2 digits after the decimal point. For example: 123456789012345.1 2 123456.23 123.3 123456789012345 12345
20	otherOwners	Details of additional Holders in the account	TEXT	500	-	Note! This free text is used to enter additional Holders (identifiers and names) if any, in addition to the primary Holder. Separate Holders by a semi-colon and space. Beginning from 2017, the additional Holders' identifying numbers may be used to access the system and therefore TAE members should enter this information



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carefully. From left to right:
Identifier - space - first name. Semi-colons separate account holders.

*UniqueMeetingProofId - this is a field that appears in every filing of a Notice of a Meeting that is not the original Notice of Meeting. In other words, in any correction of information concerning a meeting that has already been reported (correction, supplementary information, postponement of a meeting, cancellation of a meeting, etc.). In the original filing of the Notice of Meeting, the field UniqueMeetingProofId is empty, and the value of the "referenceNumber" is the reference number of this filing ("HeaderAsmachta").

- Characters permitted in the access code
21. An access code may be comprised of the following characters:
AaBbCcDdEeFfGgHhJjKkMmNnPpQqRrSsTtUuVvWwXxYyZz23456789
The digits 0 (and letters O and o), and 1 (and the letters L, l, I, and i) are not permitted.
- Information related to institutional accounts
22. Fields 14-18 in the above table are not defined as mandatory fields, but they should be completed if the TASE member knows that the account holder is an institutional entity (excluding a bank). Institutional entities cannot use the voting system if these fields are not completed.
- Signing the input
23. Each request will be signed according to standard RFC-7519, as described in Appendix H, and will include the public certificate.
- Receiving an output from the System
24. TASE members will receive an output from the system in the following format:
Responses from /update and /validate methods – in the form of a JSON string.
The output includes the general receipt status and reference to receipt of data concerning each Holder.
The output is returned for each meeting, and will include the following details:
- (a) Identifier of the TASE member in the Companies Registry (as appears in the system);
 - (b) Meeting number (as appears in the system);
 - (c) Date of ownership confirmation (as appears in the system);
 - (d) No. of the security to which the ownership confirmation /confirmation of holding refers (as appears in the system);



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- (e) No. of the company that issued the security to which the ownership confirmation refers (as appears in the system);
- (f) General status;
- (g) Status of each voter.

Serial no.	Tag	Description	Type	Length	Compulsory	Notes
1	TASEMemberID	No. in the TASE Members Register	TEXT	20	+	No. in the register (attached in Appendix E)
2	securitiesIssuerRegisterID	CN of the company convening the meeting	TEXT	20	+	Note! This is the CN of the company that convened the meeting (when the meeting is reported on Form 460A, the company that convened the meeting is not the company that issued the securities).
3	securitiesNumber	No. of the securities	INT	-	+	No. of the securities to which the ownership confirmation refers.
4	ownershipConfirmationDate	Date of ownership confirmation	DATE	10	+	DD/MM/YYYY
5.	referenceNumber	Reference no.	TEXT	14	+	If any correction or supplementary information was filed, this number is the reference number of the first filing of the Notice of the Meeting (and will also appear in the corrections).
6	General status code	Error code	INT	-	+	Integer. 0 = success
7	description	Description of the error code	TEXT	300	+	Success / Partial success / Failure.



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					For example, a “failure” is received if no meeting described in the input data exists.	
Voters – list of the Holders whose data were submitted. Each voter is represented as an object in the voter array.						
8	voterIndex	Serial no.	150	+	Unique identifier generated by the TASE member for each holder. Using JSON, the response returns this value for each record, so that the TASE member can easily match output to input. The unique identifier is used for one-to-one authentication of the account and therefore, this number is used in any correction or modification to Holders’ data (for that meeting). This value will be the hashed account number.	
9	Code	Error code	INT	-	+	INT 0 = success
10	description	Description of error code	TEXT	300	+	"Success" represents success.

Note: If no Holders were submitted, the output will contain a single record without the field “voters.”

For the structure of the JSON string of the data input method and example of an output (for correct/erroneous input), see Appendix D.

Chapter F: Details of the Method for Testing Submission of Data on Customers Eligible to E-Vote

- Testing and testing
- (a) The System includes a test application that allows TASE members to check the interface in the development pre-operating stage, using various tests.



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- environment
- (b) This test application performs tests on the input and does not include tests on the database. Therefore, if a non-existing TASE member is entered, the test will not fail.
Method name: **/validate**
This method runs basic tests without the user submitting any data to the System.
The method receives input in a TEXT format, as described in Chapter E Methods of Receiving Data from TASE Members on Customers Eligible to Vote in the System.
- (b) To test the structure of the JSON string, the System generates a standard schema file (<http://json-schema.org/specification.html>). The schema checks the JSON of the Holders directly against the schema, without sending the JSON through the Voting System interface.
The following procedure is recommended:
- (i) Create a JSON string using the defined structure.
 - (ii) Check the JSON string using the schema file. If the test fails, make the required corrections and repeat the process from step (i).
 - (iii) Generate an encoded string using base64URL Encode from a valid JSON.
 - (iv) Generate a signature, as described in Appendix H.
 - (v) Activate the appropriate method and send a TEXT string.
- (c) Links to the schema:
Primary website: <https://votesmembers.isa.gov.il/api/schema>
Secondary website: <https://drpvotesmembers.isa.gov.il/api/schema>
Schemas can be accessed only from the IP addresses submitted when the TASE member registered in the Voting System.
- (d) The testing environment for the System allows TASE members to upload data of Holders for meetings that were called in the test environment.
URL: <https://votesmembers.isa.gov.il/test/api/>
The meetings in the test environment are taken from the testing environment for Magna filings. TASE members may contact technical support regarding requests to convene meetings for testing purposes.
The testing environment includes the filing forms, in their pre-go-live format.



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The testing environment is not operable when the System shifts to the secondary website.

Logging
users'
activities

25. The System creates a log of the users' activities, including the activities related to the TASE members' interface:
- (a) Access by TASE members to the System (only successful access attempts are logged);
 - (b) Activation of a method and the operating status (see Appendices for details of the information returned as the operating status).



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Appendices

Appendix A – Registering TASE Member's Contact Person for the System Interface

TASE Member

Name:

Register no.

Contact Person

First name	
Surname	
ID	
Mobile phone	
Work phone	
Email	
Work address	
Name of corporate employer (if contact person is not a TASE member)	
IP address that TASE member will use to interface with the Voting System to send Holders' data	



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Appendix B – Input for the Holder Data Input/Test Method

Following is an example of an input for the method that receives and tests the holder data submitted by a TASE member to the Voting System:

```
"TASEMemberID":"500500210",
"securitiesIssuerRegisterID":"500500210",
"securitiesNumber":"4770137",
"ownershipConfirmationDate":"26/04/2018",
"referenceNumber":"2019-01-000982",
"totalVoters":2,
"voters":{
"voterDetails":[
{
"voterIndex":"40",
"identityTypeCode":1,
"identityID":"00000000011",
"issuingCountry":"Israel",
"voterFirstName":"ליאם",
"voterLastName":"בן היים",
"accessCode":"RNccccb2",
"nostro":0,
"fundID":"",
"fundName":"",
"accountNumber":"",
"holdingAmount":72.7,
"otherOwners":"000002348 אור בן היים; 000002368 מתן בן היים; 000002388 אוהד בן היים",
},
{
"voterIndex":"50",
"identityTypeCode":1,
"identityID":"00000000022",
"issuingCountry":"Israel",
"voterFirstName":"משה",
"voterLastName":"בן היים",
```



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```
"accessCode": "RNccccb3",
"nostro": 0,
"fundID": "",
"fundName": "",
"accountNumber": "",
"holdingAmount": 100,
"otherOwners": "000002348 אור בן חיים; 000002368 אור בן חיים; 000002388 מתן בן חיים; אוהד בן חיים"
}
]
}
}
```

Example of a signed request, as described in Appendix H:

POST /update HTTP/1.1

Host: localhost:3001

Content-Type: text/plain

Authorization: Bearer

```
eyJhbGciOiJSUzUxMiIsImtpZCI6Ii0tLS0tQkVHSU4gQ0VSVElGSUNBVEUtLS0tLVxuTUUIQ3h6
Q0NBYSUhDQ1FDWFR2bkNKMVJBZkRBTkNa3Foa2lHOXcwQkFRc0ZBREk3TVJZd0ZBWUR
WUVFLREExVVxuWVd4a2IzSWdSRVZXSUVOQk1SWXdGQVIEVIFRTERBMVVZV3hrYjNj
Z1JFVldJRUECTUI0WERURTRNRGd3TmptBNFxcuTVRRk9Wb1hEVEU1TURnd05qQTRNVFF
6T1Zvd0d6RVpNqMNHQTFVRUF3d1FaR1YyTG5SaGJHUnZjaTVqYnk1cFxcuYkRDQ0FTSXdE
UVlKS29aSWh2Y05BUUVCQlFBRGdnRVBbRENDQVFvQ2dnRUJBS2VaRlJnWWFSRUZXdE
pUQ0NCalxumVY0V1o2WVRsN3Vvc21lS1ZrY3UrejB2dmVrUW5KbEtkVDB0d29uUWJRUGN
Fb2NnUG5MMC9obE9OM1RsVkYyZfxcubEdNMkxjaEp6TU93UU5iTmlpQ1o0N3JvVWI0MkRR
N3ZoWXRfck93YkczTFE0ZmNtdGR1aE0zNEFJSJGJPUWhjTFxcuaysxeHhicTdkRTJ2NkFScxId
kRvMnGUepqR0hIMDR3UkRQMFRua2hSRVRvbU53djZmS0tLNkhFMWI2V0phOFxcuUDNme
XhFTUxHTlIdoMXkwL3ZDUXZjSVpEMDRoU1g0cEM0VG5qOEN0SUNEditGbkNMbGZCQ3N0
Undrc0xweGN3YlxuT25qeGtpMjZ6RVVXZjJPbWU2ZHdNekR2QXg0ZUs4MGk0U2RoQTEvQX
kwazBBVmp4SWlkUjI5eUVkZDRQYVAyN1xuYzNzQ0F3RUFbVEFOQmdrcWhraUc5dzBCQV
FzRkFBT0NBUEVbdlRlVGVt6ZzQvdUFsZlVnSTB2VStFQnpUNHdSZlxcuM1h3MzNORWxGQkZs
Y1JaMDhtcG1aQjN0YS94MHVzNG5uR2dPdVNoWTVraTRGRTRVDeWxZNVNlB3Q5YXd0V1N
uOVxcuNkprc2tRWDQ0T255WFI3V1RTV0J5TVRUTHhINVl2S3Q1djh0OHZkME94MDNvS2tpL
1VTY28rczY0c2JyRGZLS1xuejlfZHRlTnlDbTdaRWMvQS8xZVRsNzFNd2xMdzhGbzhNTcERhV
```




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Appendix C: Output for the Holder Data Input/Test Method

Following is the output for the method that receives/tests Holder data submitted by a TASE member to the Voting System:

```
{
  "TASEMemberID": "",
  "securitiesIssuerRegisterID": "",
  "securitiesNumber": "",
  "ownershipConfirmationDate": "",
  "referenceNumber": "",
  "status": {
    "code": "",
    "description": ""
  },
  "voters": {
    "voter":
    [ {
      "voterIndex": "",
      "status": {
        "code": "",
        "description": ""
      }
    } ]
  }
}
```

Following is an example of an output for a valid input:

```
{
  "TASEMemberID": "520039710",
  "securitiesIssuerRegisterID": "520039710",
  "securitiesNumber": "4770137",
  "ownershipConfirmationDate": "26/04/2018",
  "referenceNumber": "2019-01-049522",
  "status": {
```



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```
"code": 0,  
"description": "Success"  
},  
"voters": {  
"voter":  
[  
  {  
    "voterIndex": "40",  
    "status": {  
      "code": 0,  
      "description": "Success"  
    }  
  },  
  {  
    "voterIndex": "50",  
    "status": {  
      "code": 0,  
      "description": "Success"  
    }  
  }  
]  
}  
}
```

להלן דוגמה נוספת לפלט עבור קלט תקין:

```
{  
  "TASEMemberID": "520039710",  
  "securitiesIssuerRegisterID": "520039710",  
  "securitiesNumber": "4770137",  
  "ownershipConfirmationDate": "26/04/2018",  
  "referenceNumber": "2019-01-049522",  
  "status": {  
    "code": 0,  
    "description": "Success"  
  }  
}
```



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```
}  
}
```

Following is another example of an output for a valid input:

```
{  
  "TASEMemberID": "520039710",  
  "securitiesIssuerRegisterID": "520039710",  
  "securitiesNumber": "4770137",  
  "ownershipConfirmationDate": "26/04/2018",  
  "referenceNumber": "2019-01-049522",  
  "status": {  
    "code": 0,  
    "description": "Success"  
  }  
}
```

Following is another example of an output for an invalid input:

```
{  
  "TASEMemberID": "520039710",  
  "securitiesIssuerRegisterID": "520039710",  
  "securitiesNumber": "4770137",  
  "ownershipConfirmationDate": "26/04/2018",  
  "referenceNumber": "2019-01-049522",  
  "status": {  
    "code": 20,  
    "description": "Failure"  
  },  
  "voters": {  
    "voter": [  
      {  
        "voterIndex": "40",  
        "status": {
```



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```
"code": 160,  
"description": "Duplicate Voter"  
},  
{  
"voterIndex": "40",  
"status": {  
"code": 160,  
"description": "Duplicate Voter"  
}  
}  
]  
}  
}
```

Following is an example of an output for an invalid input:

```
{  
"TASEMemberID": "520039710",  
"securitiesIssuerRegisterID": "520039710",  
"securitiesNumber": "4770137",  
"ownershipConfirmationDate": "26/04/2018",  
"referenceNumber": "2019-01-049522",  
"status": {  
"code": 20,  
"description": "Failure"  
},  
"voters": {  
"voter": [  
{  
"voterIndex": "40",  
"status": {  
"code": 250,  
"description": "VoterLastName Contains Invalid Value"}]}
```



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}
}
]
}}



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Appendix D:
Tests of Valid and Invalid Input

Succes/Error messages for valid and invalid input	Code
Success	0
Partial Success	10
Failure	20
Invalid Action	30
Signing Verification Failed	40
No Certificate Match	41
Member TASEMemberID Contains Invalid Value	105
Member securitiesIssuerRegisterID Contains Invalid Value	110
Member securitiesNumber Contains Invalid Value	120
VoterDetails Is Invalid	130
ownershipConfirmationDate Contains Invalid Value	133
totalVoters Contains Invalid Value	143
Votingbox Does Not Exists	150
Votingbox Is Not Updateable	151
Duplicate Voter	160
Voter Already Exists For This Votingbox	161
Member referenceNumber Contains Invalid Value	170
Member voterIndex Contains Invalid Value	200
identityTypeCode Contains Invalid Value	213
Member identityID Contains Invalid Value	220
issuingCountry is invalid	235
voterFirstName Is Missing	241
voterFirstName Is Invalid	246
Member voterLastName Contains Invalid Value	250
accessCode Contains Invalid Value	273
accessCode Identifier Is Invalid	277
accessCode and voterIndex Are Duplicated	278
nostro Contains Invalid Value	303
institutionalType Contains Invalid Value	313
Member fundID Contains Invalid Value	320
Member fundName Contains Invalid Value	330



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Succes/Error messages for valid and invalid input	Code
Member accountNumber Contains Invalid Value	340
holdingAmount Contains Invalid Value	353
otherOwners Length Is Invalid	366
Total Voters Conflicts With Supplied Voters	601
Cannot Connect To Database	900
Given JSON Violate Schema Restrictions	902
Network Error	910
Not In Active Site	990
General Failure	999

Duplicate and/or invalid data will not be received by the Voting System, and the System will send an alert regarding the invalid records.

Note:

Access codes must begin with 2 characters that represent the TASE member that generated the code. A test checks whether the code matches the table in Appendix E. In the event of no match, the record fails and the system generates a 277 error code.



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Appendix E: TASE Members (and Non-Member Banks) and Register Numbers

	Access code identifier		Register no.	TASE member	Clearing House Members	Clearing Members	Notes
1	BR						
2	CB						
3	HB						
4	EB	Bank	520018649	Union Bank of Israel Ltd.	Yes		
5	BT	Bank	520016106	Bank Otsar Hahayal Ltd.	No	International	Interfaces with FIBI and Mataf systems
6	DB	Bank	520007030	Israel Discount Bank Ltd.	Yes		
7	PB	Bank	520000118	Bank Hapoalim BM	Yes		
8	JB	Bank	520025636	Jerusalem Bank Ltd.	Yes		
9	RB						
10	BE	Bank	520018078	Bank Leumi Le-Israel Ltd.	Yes		
11	TB	Bank	520000522	Mizrahi Tefahot Bank Ltd.	Yes		
12	MB	Bank	510762263	Bank Massad Ltd.	Yes		
13	MD	Bank	520029281	Mercantile Discount Bank Ltd.	Yes		
14	BB	Bank	520029083	The First International Bank of Israel Ltd.	Yes		Interfaces with FIBI and Mataf systems
15	UB						
16	MR						
17	AB						
18	EN	Non-Bank Member	511974834	Excellence Nessuah Brokerage Services Ltd.	Yes		
19	DJ						
20	US						
21	MG						
22	MT	Non-Bank Member	510528276	Meitav Trade Securities Ltd.	Yes		
23	CF						
24	PS	Non-Bank Member	512199381	Poalim Sahar Ltd.	Yes		
25	PN	Non-Bank Member	513765396	Psagot Securities Ltd.	Yes		



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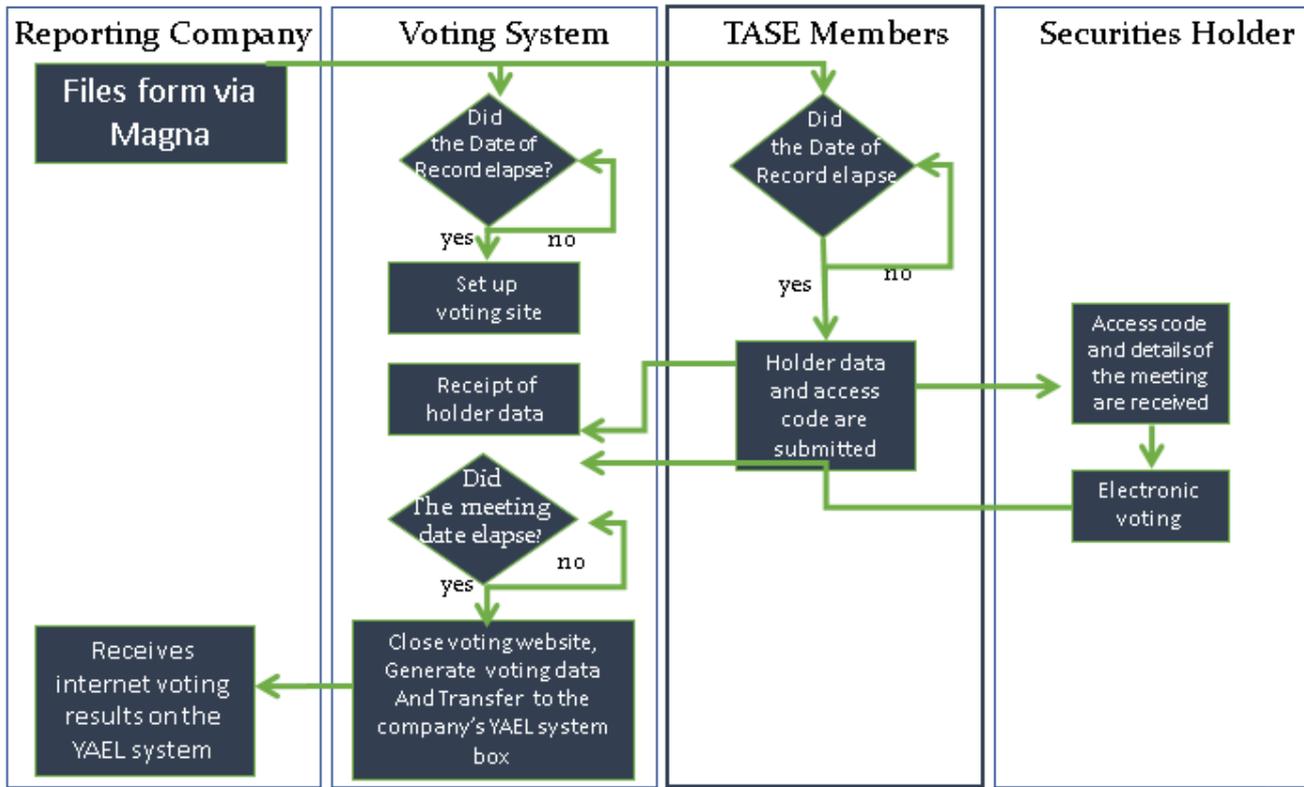
	Access code identifier		Register no.	TASE member	Clearing House Members	Clearing Members	Notes
26	SB	Non-Bank Member	510657554	Stock Exchange Services and Investments IBI Ltd.	Yes		
27	YB	Bank	520020421	Yahav Bank	Yes		
28	BA						
29	PA						
30	FD		515981728	First Digital Bank (in setup) LTD			



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Appendix F: Main Voting System Procedures – Flow Chart





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Appendix G: Main Changes to This Document

The following changes were introduced in the March version of this document:

- Data can be tested by comparison to the schema, without sending the data to the test method. A Clarification WAS added that this test method will be cancelled after the System goes live, and after this date, data can be tested only by comparison to the schema.
- Support for signatures using SHA-2 and SHA-1.
- Support for sending zip files in order to reduce the time from the transmission date to confirmation that the system received the data.
- Clarification that the Holders file should not be re-submitted unless it contains corrections.
- Explanation of UniqueMeetingProffId, which connects the various filings for a specific meeting.
- Number of error messages was reduced.

The following changes were introduced in the April version of this document:

- Addition to paragraph 3, commencement date.

The following changes were introduced in the May version of this document:

- Reference to the case where all topics on the meeting agenda are for information only.
- Definition of “other corporate number” in the identityTypeCode field was expanded.
- Clarification regarding the field “first name.”

The following changes were introduced in the June version of this document:

- Clarification added regarding access code field.
- Clarification added regarding account number.
- Clarification added regarding transition period (paragraph 8(d)).
- Clarification added regarding exchange members’ obligations when sending corrections to Holders’ files.

The following changes were introduced in the July version of this document:

- Paragraph 8(e) – wording amended. TASE members are required to transmit data to the system even if there is no arrangement between the partners in an account. In this case, no code is sent to the customer.
- Paragraph 8(j) – wording amended. TASE members are required to submit data to customers even if the meeting does not have topics on the agenda for voting.

The following changes were introduced in the October version of this document:

- Directives were aligned with instructions for voting in bondholder meetings. Bondholders may vote in meetings where Notice of the Meeting (including notice of amendment to meeting) was published after November 16, 2015.
- Change in wording of paragraph 8(e), allowing TASE members not to submit to the system data concerning joint accounts, or alternatively, not to transfer the code to the account holders.
- Details on the test environment that will be operational in early November.



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The following changes were introduced in the December version of this document:

- Reference added to the option of system authentication using a smart identity card.
- Special attention was directed to the structure of the otherOwners field. Beginning from early 2017, authentication may also be based on the identifying numbers of other owners.

The following changes were introduced in the May 2019 version of this document:

- Reference added to the technological change (API) in the interface used to transfer details of customers eligible to vote in the e-voting system, and confirmation of data integrity from the Voting System;
- Reference added regarding deletion of a meeting from the Voting System if the meeting status is “deferred to an unknown date” and more than 70 days have elapsed since the Date of Record.

The following changes were introduced in the August 2020 version of this document:

- Specific reference was added regarding details of eligible voters in self-managed provident funds.
- Comment added in paragraph 9 and paragraph 15 in Chapter E: methods for receiving data concerning Eligible E-Voters.



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Appendix H: Details of the Input for the Method that Receives/Tests Holders' Data

Following are details of the procedure for creating the input for the method that receives/tests Holders' data submitted to the Voting System by TASE members based on RFC-7519 JSON Web Token (JWT) standard:

- Create a database as described in Appendix B and encode it using base64URL Encode (“the Input”).
- Attach the Input as the content of the request in TEXT format.
- Hash the Input according to RS512.
- Sign the Input using JWT. See explanations and directories for various language at <https://jwt.io>

Content of the signature

Payload – following JSON structure:

```
"הקלט"hash": "Hash RS512 Of "
```

Signature - structure according to JWT.

Signature must include:

- Algorithm – constant = RS512.
- keyID – the certificate key used to sign the file to authenticate the signature.

Example of a signature code for nodeJS:

```
{  
  algorithm: 'RS512',  
  keyid: publickey  
};
```

To send a signed message, attach an authorization header to the request using a bearer scheme:

The header of the request will look like this:

Authorization: Bearer <token>

where the token is the result of the signature (“signature,” in the above example).