Form of Proxy

I/We, being holder(s) of Class B multiple voting shares of Alithya Group inc. (the "Company"), hereby appoint: Pierre Turcotte, Chair of the Board, or failing him, Paul Raymond, President and Chief Executive Officer, or:

_____

Print the name of the person you wish to appoint if this person is someone other than the persons listed above

as my/our proxyholder to attend, act and vote on my/our behalf in accordance with the below instructions (or if no instructions are given, as he or she sees fit) on all the following matters and any other matter that may properly come before the annual general and special meeting of shareholders of the Company to be held at 10:00 a.m. (Eastern Daylight Time) on **Wednesday, September 15, 2021, in a virtual-only format via a live audio webcast online at https://web.lumiagm.com/459224608** (the "Meeting"), and at any and all adjournments or postponements thereof in the same manner, to the same extent and with the same powers as if the I/we attended it, with full power of substitution.

IMPORTANT NOTES FOR PROXYHOLDERS:

If you decide to appoint a person other than the directors named by management on this form of proxy as your proxyholder to attend and vote on your behalf at the Meeting, YOU MUST return your form of proxy by mail, fax or email or submit your appointment and voting instructions to AST using the Internet and YOU OR YOUR PROXYHOLDER MUST ALSO either complete the online form available at https://lp.astfinancial.com/ControlNumber or call AST at 1-866-751-6315 (toll free in Canada and the United States) or 1-212-235-5754 (other countries) by no later than 10:00 a.m. (Eastern Daylight Time) on September 13, 2021 to register your proxyholder and to allow AST to provide such proxyholder with a 13-digit proxyholder control number via email 24 to 48 hours before the Meeting. Such 13-digit proxyholder control number will differ from the Control Number set forth on this form of proxy. As it is not possible to appoint a person other than the two directors named by management on this form of proxy by telephone, voting by telephone is not recommended.

The proxyholder control number your proxyholder will receive will allow your proxyholder to log in to and vote at the Meeting. Without a proxyholder control number, your proxyholder will only be able to log in to the Meeting as a guest and will not be able to vote or ask questions at the Meeting and your vote will not be counted as your proxyholder must attend the Meeting for your vote to be counted.

The control number appearing on this form of proxy is NOT a proxyholder control number and may therefore not be used by your proxyholder to attend and vote at the Meeting.

VOTING RECOMMENDATIONS ARE INDICATED BY HIGHLIGHTED TEXT OVER THE BOXES.

Please use a dark black pencil or pen.

1. **Election of Directors:**

	FOR	WITHHOLD		FOR	WITHHOLD
1. Dana Ades-Landy	☐	☐	6. Paul Raymond	☐	☐
2. Robert Comeau	☐	☐	7. James B. Renacci	☐	☐
3. Mélissa Gilbert	☐	☐	8. Ghyslain Rivard	☐	☐
4. Lucie Martel	☐	☐	9. C. Lee Thomas	☐	☐
5. Pierre Karl Péladeau	☐	☐	10. Pierre Turcotte	☐	☐

2. **Appointment of the Auditor:**

	FOR	WITHHOLD
To appoint KPMG LLP as auditor of the Company and authorize the Board to fix their remuneration.	☐	☐

3. **Long Term Incentive Plan:**

	FOR	AGAINST
To adopt the ordinary resolution to approve the unallocated awards under the Company's Long Term Incentive Plan, as further described in the management information circular.	☐	☐

4. **Stock Option Plan:**

	FOR	AGAINST
To adopt the ordinary resolution to approve the amendment and restatement of Pre-IPO Alithya's Stock Option Plan, as further described in the management information circular.	☐	☐

Under Canadian securities laws, you are entitled to receive certain financial documents of the Company. If you wish to receive such documents, please tick the applicable boxes below. You may also go to AST Trust Company (Canada)'s website at https://ca.astfinancial.com/InvestorServices/Financial-Statements?lang=en and input code 0417a.

☐ I/We would like to receive the Company's quarterly financial statements and the related management's discussion and analysis
☐ I/We would like to receive the Company's annual financial statements and the related management's discussion and analysis

I/We authorize you to act in accordance with my/our instructions set out above. I/We hereby revoke any proxy previously given with respect to the Meeting. **If no voting instructions are indicated above, this proxy will be voted as recommended by management or, if you appoint someone else as your proxyholder, as such other proxyholder sees fit. On any amendments or variations proposed or any new business properly submitted at the Meeting, I/We authorize my/our proxyholder to vote as such proxyholder sees fit.**

_____ _____

Signature(s) Date

Please see reverse for instructions. If this form of proxy is not dated, it will be deemed to bear the date on which it was mailed by management. All proxies must be received by 10:00 a.m. (Eastern Daylight Time) on September 13, 2021.

Form of Proxy – Annual General and Special Meeting of Shareholders of Alithya Group inc. (the "Company") to be held at 10:00 a.m. (Eastern Daylight Time) on September 15, 2021 (the "Meeting")

This form of proxy is solicited by and on behalf of management.

Notes

1. **Every shareholder has the right to appoint the person of his/her/its choice, who need not be a shareholder, to attend and act on his/her/its behalf at the Meeting or any adjournment or postponement thereof. If you wish to appoint a person other than the persons named by management whose names are printed herein, please insert the name of your chosen proxyholder in the space provided (see reverse). If you appoint someone other than the persons named by management, you should ensure that such person attends the Meeting using a proxyholder control number at the time of the Meeting, otherwise, your vote will not be counted.**
2. If the shares are registered in the name of more than one shareholder, at least one of the shareholders must sign. If the shares are registered in the name of a corporation or other legal entity, an authorized officer or attorney must sign and indicate his or her signing capacity. This person may be requested to provide proof that he or she is authorized to sign.
3. **The shares' voting rights represented by this proxy will be voted as instructed by the shareholder on the reverse. If, however, instructions are not made in respect of any matter, the shares' voting rights represented by this proxy will be voted as recommended by management, if the persons named by management are appointed as proxyholder, or, if they are not, as such other proxyholder sees fit.**
4. This form of proxy confers discretionary authority in respect of amendments to matters identified in the Notice of Meeting or other matters that may properly be brought at the Meeting or any adjournment or postponement thereof.
5. This form of proxy should be read in conjunction with the management information circular and other Meeting materials.

All proxies must be received by 10:00 a.m. (Eastern Daylight Time) on September 13, 2021.

How to Vote

VOTE USING THE INTERNET OR BY TELEPHONE 24 HOURS A DAY, 7 DAYS A WEEK!

INTERNET

Go to www.astvotemyproxy.com
Cast your vote online
View Meeting documents

To vote using your smartphone, please scan this QR Code:

TELEPHONE

Using a touch-tone phone, call **1-888-489-7352** (toll free in Canada and the United States) and follow the voice instructions

To vote by internet or telephone you will need your control number. If you vote by internet or telephone, DO NOT return this form of proxy.

MAIL, FAX or EMAIL

Complete and return your signed proxy in the envelope provided or send to:

AST Trust Company (Canada)
P.O. Box 721
Agincourt, ON M1S 0A1

You may alternatively fax your form of proxy to 1-866-781-3111 (toll free in Canada and the United States) or 1-416-368-2502 or scan and email your form of proxy to proxyvote@astfinancial.com.

If you wish to receive documents from the Company electronically in the future, please visit https://ca.astfinancial.com/InvestorServices/edelivery?lang=en to enroll.

Voting by internet, mail, fax or email are the only methods by which a shareholder may appoint a person other than the persons named by management as their proxyholders.