PLAINTREE SYSTEMS INC



8th Floor, 100 University Avenue Toronto, Ontario M5J 2Y1 www.computershare.com

Security Class

Holder Account Number

Form of Proxy - Annual and Special Meeting to be held on September 11, 2014

This Form of Proxy is solicited by and on behalf of Management.

Notes to proxy

- 1. Every holder has the right to appoint some other person or company of their choice, who need not be a holder, to attend and act on their behalf at the meeting or any adjournment or postponement thereof. If you wish to appoint a person or company other than the persons whose names are printed herein, please insert the name of your chosen proxyholder in the space provided (see reverse).
- 2. If the securities are registered in the name of more than one owner (for example, joint ownership, trustees, executors, etc.), then all those registered should sign this proxy. If you are voting on behalf of a corporation or another individual you must sign this proxy with signing capacity stated, and you may be required to provide documentation evidencing your power to sign this proxy.
- 3. This proxy should be signed in the exact manner as the name(s) appear(s) on the proxy.
- 4. If this proxy is not dated, it will be deemed to bear the date on which it is mailed by Management to the holder.
- 5. The securities represented by this proxy will be voted as directed by the holder, however, if such a direction is not made in respect of any matter, this proxy will be voted as recommended by Management.
- 6. The securities represented by this proxy will be voted in favour or withheld from voting or voted against each of the matters described herein, as applicable, in accordance with the instructions of the holder, on any ballot that may be called for and, if the holder has specified a choice with respect to any matter to be acted on, the securities will be voted accordingly.
- 7. This proxy confers discretionary authority in respect of amendments or variations to matters identified in the Notice of Meeting or other matters that may properly come before the meeting or any adjournment or postponement thereof.
- 8. This proxy should be read in conjunction with the accompanying documentation provided by Management.

Proxies submitted must be received by 2:00 p.m. (Ottawa time) on September 9, 2014.

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Appointment of Proxyholder

The undersigned registered shareholder ("Registered Shareholder") of the Corporation hereby appoints William David Watson II, the President and Chief Executive Officer of the Corporation, or FAILING HIM, Gary Jessop, the Corporate Secretary of the Corporation,

OR

Print the name of the person you are appointing if this person is someone other than the Management Nominees listed herein.

as my/our proxyholder with full power of substitution and to attend, act and to vote for and on behalf of the Registered Shareholder in accordance with the following direction (or if no directions have been given, as the proxyholder sees fit) and all other matters that may properly come before the Annual and Special Meeting of Shareholders (the "Meeting") of Plaintree Systems Inc. (the "Corporation") to be held at 10 Didak Drive Arnprior, Ontario, on Thursday, September 11, 2014 at 2:00 p.m. and at any adjournment or postponement thereof.

| VOTING RECOMMENDATIONS ARE | | | • | | ut 2.00 p.m | and at any adjournment or postport | omone anoroon. | |
|--|-----------|--------------|--|----------------------|-------------|------------------------------------|----------------|---------|
| 1. Election of Directors | For | Withhold | | For | Withhold | I | For | Withhol |
| 01. W. David Watson II | | | 02. William D. Watson | | | 03. Robert Shea | | |
| 04. Senator John Buchanan, P.C., Q.C. | | | 05. Jerry Vickers | | | 06. Girvan Patterson | | |
| 2. Appointment of Auditors To appoint DELOITTE LLP, Charl directors to fix the auditors' remur | ered Acco | ountants, as | s auditors of the Corporation for | r the fiscal year e | ending Mai | rch 31, 2015 and to authorize the | e | |
| 3. Resolution To confirm By-Law 2014-1 of the | Company, | being a by | r-law governing the business ar | nd affairs of the (| Company. | | For | Against |
| Authorized Signature(s) - Th | is sectio | n must b | e completed for your | Signature(s) | | Date | | |
| //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. | | | STATE OF THE PROPERTY OF THE P | | |) | | |
| Interim Financial Statements - Mark this I like to receive Interim Financial Statements accompanying Management's Discussion a mail. | and | 1 1 | Annual Financial Statements - M NOT like to receive the Annual Fina accompanying Management's Disc mail. | ancial Statements an | d | | | |

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If you are not mailing back your proxy, you may register online to receive the above financial report(s) by mail at www.computershare.com/mailinglist.

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