

---

**PROTO RESOURCES & INVESTMENTS LTD**

**ABN 35 108 507 517**

**NOTICE OF GENERAL MEETING AND EXPLANATORY  
STATEMENT**

---

**TIME: 9.00am AEDT**

**DATE: Monday 22 October 2012**

**PLACE: Suite 1901, Level 19, 109 Pitt Street  
Sydney NSW 2000**

*This Notice of Meeting and Explanatory Statement should be read in its entirety. If Shareholders are in doubt as to how they should vote, they should seek advice from their professional advisers prior to voting.*

*Should you wish to discuss the matters in this Notice of Meeting please do not hesitate to contact the Company Secretary on (08) 9480 0111.*

---

## CONTENTS

---

Notice of General Meeting (setting out the proposed resolutions)	3
Explanatory Statement (explaining the proposed resolutions)	7
Glossary	16

---

## TIME AND PLACE OF MEETING AND HOW TO VOTE

---

### ***VENUE***

---

The General Meeting of the Shareholders of Proto Resources & Investments Ltd which this Notice of Meeting relates to will be held at 9.00am AEDT on 22 October 2012 at:

<p><b>Suite 1901, Level 19, 109 Pitt Street Sydney NSW 2000</b></p>
---

### ***YOUR VOTE IS IMPORTANT***

---

The business of the General Meeting affects your shareholding and your vote is important.

### ***VOTING IN PERSON***

---

To vote in person, attend the General Meeting on the date and at the place set out above.

### ***VOTING BY PROXY***

---

To vote by proxy, please complete and sign the proxy form enclosed and either:

- (a) send the proxy form by post to Proto Resources & Investments Ltd, GPO Box 2517, Perth, WA, 6831; or
- (b) send the proxy form by facsimile to (08) 9480 0166

so that it is received not later than 9.00am AEDT on Thursday, 18 October 2012.

#### **Proxy forms received later than this time will be invalid.**

New sections 250BB and 250BC of the Corporations Act came into effect on 1 August 2011 and apply to voting by proxy on or after that date. Shareholders and their proxies should be aware of these changes to the Corporations Act, as they will apply to this General Meeting. Broadly, the changes mean that:

- if proxy holders vote, they must cast all 'directed' proxies as directed; and
- any directed proxies which are not voted will automatically default to the Chair, who must vote the proxies as directed.

Further details on these changes are set out below.

---

## TIME AND PLACE OF MEETING AND HOW TO VOTE

---

### ***Proxy vote if appointment specifies way to vote***

Section 250BB(1) of the Corporations Act provides that an appointment of a proxy may specify the way the proxy is to vote on a particular resolution and, **if it does:**

- the proxy need not vote on a show of hands, but if the proxy does so, the proxy must vote that way (i.e. as directed); and
- if the proxy has 2 or more appointments that specify different ways to vote on the resolution – the proxy must not vote on a show of hands; and
- if the proxy is the chair of the meeting at which the resolution is voted on – the proxy must vote on a poll, and must vote that way (i.e. as directed); and
- if the proxy is not the chair – the proxy need not vote on the poll, but if the proxy does so, the proxy must vote that way (i.e. as directed).

### ***Transfer of non-chair proxy to chair in certain circumstances***

Section 250BC of the Corporations Act provides that, if:

- an appointment of a proxy specifies the way the proxy is to vote on a particular resolution at a meeting of the Company's members; and
- the appointed proxy is not the chair of the meeting; and
- at the meeting, a poll is duly demanded on the resolution; and
- either of the following applies:
  - the proxy is not recorded as attending the meeting;
  - the proxy does not vote on the resolution,

the chair of the meeting is taken, before voting on the resolution closes, to have been appointed as the proxy for the purposes of voting on the resolution at the meeting.

---

## NOTICE OF GENERAL MEETING

---

Notice is given that the General Meeting of Shareholders of Proto Resources & Investments Ltd will be held at Suite 1901, Level 19, 109 Pitt Street Sydney NSW 2000 at 9.00am AEDT on 22 October 2012.

The Explanatory Statement annexed to this Notice of Meeting provides additional information on matters to be considered at the General Meeting. The Explanatory Statement and the proxy form are part of this Notice of Meeting.

The Directors have determined pursuant to Regulation 7.11.37 of the Corporations Regulations 2001 (Cth) that the persons eligible to vote at the General Meeting are those who are registered Shareholders at 5.00pm AEDT on 18 October 2012.

Terms and abbreviations used in this Notice of Meeting and Explanatory Statement are defined in the Glossary.

### **AGENDA**

---

#### **Resolution 1 - Ratification of the Issue of Options**

To consider and if thought fit to pass, with or without amendment, the following **ordinary resolution**:

*"That, for the purpose of ASX Listing Rule 7.4 and for all other purposes, the Company ratifies the allotment and issue of 81,607,606 Options with an exercise price of \$0.05 to various private investors, on the date and on the terms and conditions set out in the Explanatory Memorandum accompanying this Notice of Meeting."*

Voting Exclusion: The Company will disregard any votes cast on Resolution 1 by any person who participated in the issue and any associate of such allottee.

However the Company need not disregard a vote if:

- (a) it is cast by a person as proxy for a person who is entitled to vote, in accordance with the directions on the proxy form; or
- (b) it is cast by the person chairing the meeting as proxy for a person who is entitled to vote, in accordance with a direction on the proxy form to vote as the proxy decides.

#### **Resolution 2 - Approval for the Future Placement of Shares**

To consider and, if thought fit, to pass, with or without amendment, the following **ordinary resolution**:

*"That, for the purposes of ASX Listing Rule 7.1 and for all other purposes, this General Meeting approves and authorises the Directors to issue and allot up to 89,427,660 Shares at an issue price that is at least 80% of the average market price of the Shares calculated over the last 5 days on which sales in the Shares were recorded before the date on which the issue is made, and otherwise on the terms and conditions set out in the Explanatory Statement accompanying this Notice of Meeting."*

Voting Exclusion: The Company will disregard any votes cast on Resolution 2 by any person who may participate in the proposed issue and any person who might obtain a benefit, except a benefit solely in the capacity of a security holder, if Resolution 2 is passed and any associate of those persons.

However the Company need not disregard a vote if:

---

## NOTICE OF GENERAL MEETING

---

- (a) it is cast by a person as proxy for a person who is entitled to vote, in accordance with the directions on the proxy form; or
- (b) it is cast by the person chairing the meeting as proxy for a person who is entitled to vote, in accordance with a direction on the proxy form to vote as the proxy decides.

### **Resolution 3 - Approval for the Future Placement of Shares and Options**

To consider and, if thought fit, to pass, with or without amendment, the following **ordinary resolution**:

*"That, for the purposes of ASX Listing Rule 7.1 and for all other purposes, this meeting approves and authorises the Directors to issue and allot Shares to raise up to \$3,000,000 with a one for two attaching Option at an issue price that is at least 80% of the average market price of the Shares calculated over the last 5 days on which sales in the Shares were recorded before the date on which the issue is made; and otherwise on the terms and conditions set out in the Explanatory Statement accompanying this Notice of Meeting."*

Voting Exclusion: The Company will disregard any votes cast on Resolution 3 by any person who may participate in the proposed issue and any person who might obtain a benefit, except a benefit solely in the capacity of a security holder, if Resolution 3 is passed and any associate of those persons.

However the Company need not disregard a vote if:

- (a) it is cast by a person as proxy for a person who is entitled to vote, in accordance with the directions on the proxy form; or
- (b) it is cast by the person chairing the meeting as proxy for a person who is entitled to vote, in accordance with a direction on the proxy form to vote as the proxy decides.

**DATED: 21 September 2012**

**BY ORDER OF THE BOARD**



**KENT HUNTER  
COMPANY SECRETARY  
PROTO RESOURCES & INVESTMENTS LTD**

---

## EXPLANATORY STATEMENT

---

This Explanatory Statement has been prepared for the information of the Shareholders in connection with the business to be conducted at the General Meeting of Proto Resources & Investments Ltd to be held at Suite 1901, Level 19, 109 Pitt Street Sydney NSW 2000 at 9.00am AEDT on 22 October 2012.

The purpose of this Explanatory Statement is to provide information which the Directors believe to be material to Shareholders in deciding whether or not to pass the Resolutions in the Notice of Meeting (of which this Explanatory Statement forms a part).

---

### RESOLUTION 1 - RATIFICATION OF ISSUE OF OPTIONS

**Resolution 1 seeks Shareholder ratification of the issue of 81,607,606 Options on the terms set out below.**

#### 1.1 Background to Resolution 1

On 6 June 2012, 22 June 2012, 14 August 2012 and 16 August 2012 the Company issued 42,363,161, 29,888,889, 5,555,556 and 12,550,000 Options respectively to various parties, being 57,379,035 attaching Options as part of Share placements that took place on those dates. Of these 32,978,571 Options were issued as payments for services. Options issued since the last meeting total 90,357,606. At the previous meeting held on 4 June 2012, 8,750,000 Options were approved for future placement pursuant to ASX Listing Rule 7.1. Accordingly the issue of a further 81,607,606 Options require ratification by Shareholders. The Share placements were for the purpose of increasing the working capital available to fund the operations of the Company. As the issue of the Options was part of a wider issue of Shares, no funds were raised directly from the issue of the Options.

Approval is now sought to ratify the issue of 81,607,606 Options to private investors.

#### 1.2 ASX Listing Rule 7.4

Under Chapter 7 of the ASX Listing Rules, there are limitations on the capacity of a company to enlarge its capital by the issue of equity securities.

ASX Listing Rule 7.1 provides that a company must not, subject to specified exceptions, issue or agree to issue during any 12 month period any equity securities, or other securities with rights to conversion to equity (such as an option), if the number of those securities exceeds 15% of the number of securities in the same class on issue at the commencement of that 12 month period.

ASX Listing Rule 7.4 sets out an exception to ASX Listing Rule 7.1. It provides that where a company in general meeting ratifies the previous issue of securities made pursuant to ASX Listing Rule 7.4 (and provided that the previous issue did not breach ASX Listing Rule 7.1) those securities will be deemed to have been made with shareholder approval for the purpose of ASX Listing Rule 7.1

Approval is sought under Resolution 1 to allow the Company to ratify the issue and allotment of the 81,607,606 Options not previously approved by Shareholders pursuant to ASX Listing Rule 7.4. The reason for an approval under ASX Listing Rule 7.4 is to reinstate the Company's capacity to issue up to 15% of its issued Shares without the approval of its Shareholders in any 12 month period.

---

## EXPLANATORY STATEMENT

---

The following information is provided to Shareholders for the purposes of obtaining Shareholder approval of the Options issues the subject of Resolution 1 in accordance with ASX Listing Rule 7.5:

- (a) the number of securities allotted by the Company was 90,357,606 Options;
- (b) the Options were issued on 6 June 2012, 22 June 2012, 14 August 2012 and 16 August 2012;
- (c) This approval for ratification of 81,607,606 options was not previously approved.
- (d) the Options were issued to various private investors identified by the Company, none of whom are a related party of the Company
- (e) the Options were issued with an exercise price of \$0.05 per Option and expire on 1 September 2014;
- (f) the Options issued pursuant to Resolution 1 were issued under the terms set out in the Annexure to this notice; and
- (g) the Options were issued as part of a wider share placement to reward shareholders for their support of the Company and to encourage them to participate in future activities to the Company.

### 1.3 Directors' Recommendation

None of the Directors has a material personal interest in the subject matter of Resolution 1. The Board believes that the ratification of the Options issues the subject of Resolution 1 is beneficial for the Company. The Board recommends Shareholders vote in favour of Resolution 1.

---

## RESOLUTION 2 - APPROVAL FOR THE FUTURE PLACEMENT OF UP TO 89,427,660 SHARES

**Resolution 2 seeks Shareholder approval for the issue of up to 89,427,660 Shares on the terms set out below ("Placement").**

### 2.1 ASX Listing Rule 7.1

ASX Listing Rule 7.1 provides that (subject to certain exceptions, none of which is relevant here) prior approval of Shareholders is required for an issue of securities if the securities will, when aggregated with the securities issued by the Company during the previous 12 months, exceed 15% of the number of shares on issue at the commencement of that 12 month period.

For the purposes of ASX Listing Rule 7.3, the following information is provided in relation to Resolution 1 to allow Shareholders to assess the proposed facility for the future issue of up to 89,427,660 Shares:

- (a) the maximum number of securities to be issued pursuant to the Placement is 89,427,660 Shares;
- (b) the Shares the subject of Resolution 2 will be issued and allotted no later than three (3) months after the date of this General Meeting or such later date as approved by ASX;

---

## EXPLANATORY STATEMENT

---

- (c) the issue price of the Shares proposed to be allotted and issued will be at a price that is at least 80% of the average market price of the Shares calculated over the last 5 days on which sales in the Shares were recorded before the date on which the issue is made;
- (d) the allottees in respect of the Placement are not, as yet, identifiable, but will be subscribers to be identified by the Company and any brokers appointed by the Company to manage the Placement. The allottees will not be a Related Party of the Company and will fall within one of the exceptions contained in Section 708 of the Corporations Act. Under no circumstances will the Company issue and allot shares such that any person would hold a relevant interest of more than 19.9% in the share capital of the Company;
- (e) the Shares to be issued will rank pari-passu on allotment and issue with the existing Shares of the Company;
- (f) the Shares to be issued will be allotted progressively as allottees are identified, however no Shares will be issued or allotted after the date which is three (3) months after the date of the General Meeting or such later date as approved by ASX; and
- (g) the Company intends to use the funds raised by the Placement for drilling at Lindeman's Bore, continued work on the technology used in nickel processing and waste remanagement, to further the projects in Barnes Hill, Tasmania also Kiefernberg, Germany, through licensing, joint venturing and development.
- (h) estimated use of funds table;

<b>Use of funds</b>	<b>\$ ('000)</b> <b>715</b> <b>(assume issued</b> <b>at 100% of</b> <b>current price)</b>	<b>\$ ('000)</b> <b>500</b> <b>(assume issued</b> <b>at 70% of</b> <b>current share</b> <b>price)</b>
Exploration – Lindeman's Bore	180	120
Kiefernberg & Barnes Hill	200	140
Corporate and working capital	335	240
Total	715	500

### 2.2 Directors' Recommendation

None of the Directors has a material personal interest in the subject matter of Resolution 2. The Board recommends Shareholders vote in favour of Resolution 2 as it provides additional working capital and the Company with the flexibility to issue further securities representing up to 15% of the Company's share capital during the next 3 months without shareholder approval.



---

## EXPLANATORY STATEMENT

---

### RESOLUTION 3 - APPROVAL FOR THE FUTURE PLACEMENT OF SHARES AND OPTIONS

**Resolution 3 seeks Shareholder approval for the issue of Shares and Attaching Options to raise up to \$3,000,000 (“\$3m Placement”).**

#### 3.1 ASX Listing Rule 7.1

ASX Listing Rule 7.1 provides that (subject to certain exceptions, none of which is relevant here) prior approval of Shareholders is required for an issue of securities if the securities will, when aggregated with the securities issued by the Company during the previous 12 months, exceed 15% of the number of shares on issue at the commencement of that 12 month period.

For the purposes of ASX Listing Rule 7.3, the following information is provided in relation to Resolution 3 to allow Shareholders to assess the proposed Placement for the future issue of Shares and attaching Options to raise up to \$3,000,000:

- (a) the maximum number of securities to be issued to pursuant to the Placement will be determined based on part (c) below and will not result in total funds raised exceeding \$3,000,000;
- (b) the Shares and attaching Options the subject of Resolution 3 will be issued and allotted no later than three (3) months after the date of this Meeting or such later date as approved by ASX;
- (c) the issue price of the Shares proposed to be allotted and issued will be at a price that is at least 80% of the average market price of the Shares calculated over the last 5 days on which sales in the Shares were recorded before the date on which the issue is made;
- (d) dilution table illustrated below to show the effect the future placement will have on current Shareholders;

<b>Current price (\$0.008)</b>	<b>100%</b>	<b>80%</b>	<b>70%</b>
Shares on issue	596,184,406	596,184,406	596,184,406
Issued under Resolution 3	375,000,000	468,750,000	535,714,286
Total	97,118,4407	1,064,934,406	1,131,898,692
Dilution	63%	79%	90%

- (e) the allottees in respect of Resolution 3 are not as of yet, identifiable, but will be subscribers to be identified by the Company and any brokers appointed by the Company to manage the issue. The allottees will not be related parties of the Company;
- (f) the Shares to be issued will rank pari-passu on allotment and issue with the existing fully paid ordinary Shares of the Company;
- (g) the Options issued pursuant to Resolution 3 are to be issued under the terms set out in the Annexure to this notice; and
- (h) the Shares and attaching Options to be issued will be allotted progressively as allottees are identified, however no Shares or Options will be issued or allotted after the date which is three (3) months after the date of the Meeting; and

---

**EXPLANATORY STATEMENT**

---

- (i) Funds will be raised progressively and as needed, for the purposes outlined in the estimated use of funds table below;

<b>Use of funds</b>	<b>\$ (000) \$3,000</b>
Exploration – Lindeman's Bore	750
Albanian projects – collation, translation and reconfirmation of historical data; metallurgical test work and trials	350
Exploration (drilling) – Germany projects	300
Exploration – Barnes Hill	300
Exploration – other existing projects, ie; Doolganna	200
Working capital, potential project evaluation and corporate expenses	1,100
Total	3,000

### **3.2 Directors' Recommendation**

None of the Directors has a material personal interest in the subject matter of Resolution 3. The Board recommends Shareholders vote in favour of Resolution 3 as it provides additional working capital and the Company with the flexibility to issue further securities representing up to 15% of the Company's share capital during the next 12 months without shareholder approval.

---

## GLOSSARY

---

**ASX** means ASX Limited (ACN 008 724 791).

**ASX Listing Rules** or **Listing Rules** means the Listing Rules of the ASX and any other rules of the ASX which are applicable while the entity is admitted to the Official List of the ASX, each as amended or replaced from time to time, except to the extent of any express written waiver by the ASX.

**Board** means the board of Directors.

**Company** or **Proto Resources** means Proto Resources & Investments Ltd (ABN 35 108 507 517).

**Constitution** means the constitution of the Company.

**Corporations Act** means the Corporations Act 2001 (Cth).

**Director** means a director of the Company.

**AEDT** means Australia Eastern Daylight Savings Time.

**General Meeting** means the General Meeting of the Company to be held on 22 October 2012.

**Notice of Meeting** means the Notice of Meeting attached to this Explanatory Statement.

**Option** means the option to acquire one ordinary share in the Company.

**Related Party** has the meaning given in section 228 of the Corporations Act.

**Resolution** means a resolution to be considered by the Shareholders at the General Meeting as contained in the Notice.

**Share** means an ordinary fully paid share in the capital of the Company.

**Shareholder** means the holder of a Share.

---

## ANNEXURE

---

### **Terms and Conditions of Options the Subject of Resolutions 1 and 3:**

1. Each Option entitles the holder to acquire one fully paid ordinary share in the Company.
2. The Options may be exercised at any time until 1 September 2014. Each Option may be exercised by forwarding to the Company at its principal office the exercise notice, duly completed together with payment of the sum of five cents (\$0.05 cents) per Option exercised. The Options will lapse at 5.00pm EST on 1 September 2014.
3. The Options may be transferred by an instrument (duly stamped where necessary) in the form commonly used for transfer of Options at any time until 1 September 2014. This right is subject to any restrictions on the transfer of an Option that may be imposed by ASX in circumstances where the Company is Listed on ASX.
4. Holders of Options shall be permitted to participate in new issues of securities on the prior exercise of options in which case the Options shall be afforded the period of at least nine (9) business days prior to and inclusive of the record date (to determine entitlements to the issue) to exercise the Option.
5. Shares issued on the exercise of Options will be issued not more than fourteen (14) days after receipt of a properly executed exercise notice and application moneys. Shares allotted pursuant to the exercise of an Option will rank equally with the then issued ordinary shares of the Company in all respects. If the Company is listed on ASX it will, pursuant to the exercise of an Option, apply to ASX for Quotation of the Shares issued as a result of the exercise, in accordance with the Corporations Act and the Listing Rules.
6. In the event of any reconstruction (including consolidation, sub-division, reduction or return) of the issued capital of the Company, all rights of the option holder will be changed to the extent necessary to comply with the Listing Rules applying to the reconstruction of capital at the time of the reconstruction.
7. If there is a bonus issue to shareholders, the number of shares over which the Option is exercisable may be increased by the number of shares which the holder of the Option would have received if the Option had been exercised before the record date for the bonus issue.
8. In the event that a pro rata issue (except a bonus issue) is made to the holders of the underlying securities in the Company, the exercise price of the Options may be reduced in accordance with Listing Rule 6.22.

---

**PROXY**

---

**APPOINTMENT OF PROXY  
PROTO RESOURCES & INVESTMENTS LTD****ABN 35 108 507 517**

I/We

being a shareholder of Proto Resources & Investments Ltd entitled to attend and vote at the General Meeting, hereby

Appoint

Name of proxy

or failing the person so named or, if no person is named, the Chair of the General Meeting or the Chair's nominee, as my/our proxy to act generally for me/us and to vote in accordance with the following directions or, if no directions have been given, as the proxy sees fit at the General Meeting to be held at Suite 1901, Level 19, 109 Pitt Street Sydney NSW 2000 at 9.00am AEDT on 22 October 2012 and at any adjournment thereof.

---

**Important Note**

If the Chair of the General Meeting is appointed as your proxy, or may be appointed by default, and you do not wish to direct your proxy how to vote as your proxy in respect of a Resolution, please place a mark in the box below. By marking this box, you acknowledge that the Chair may exercise your proxy even if he/she has an interest in the outcome of the Resolutions and that votes cast by the Chair of the meeting for those Resolutions other than as proxy holder will be disregarded because of that interest. If you do not mark this box, and you have not directed your proxy how to vote, the Chair will not cast your votes on the Resolution and your votes will not be counted in calculating the required majority if a poll is called on the Resolution.

---

**Voting on Business of the General Meeting**

---

	FOR	AGAINST	ABSTAIN
Resolution 1 Ratification of issue of Options	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resolution 2 Approval for the Future Placement of Shares	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Resolution 3 Approval for the Future Placement of Shares and Options	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If you mark the abstain box for a particular item, you are directing your proxy not to vote on that item on a show of hands or on a poll and that your Shares are not to be counted in computing the required majority on a poll.



**PROTO RESOURCES & INVESTMENTS LTD**  
**ABN 35 108 507 517**  
**Instructions for Completing "Appointment of Proxy" Form**

1. A Shareholder entitled to attend and vote at a meeting is entitled to appoint not more than two proxies to attend and vote on their behalf. Where more than one proxy is appointed, such proxy must be allocated a proportion of the Shareholder's voting rights. If the Shareholder appoints two proxies and the appointment does not specify this proportion, each proxy may exercise half the votes. Where more than one proxy is to be appointed or voting intentions cannot be adequately expressed using this form an additional form of proxy is available from the Company or you may copy this form.
2. A duly appointed proxy need not be a Shareholder of the Company. In the case of joint holders, all must sign.
3. Corporate Shareholders should comply with the execution requirements set out on the proxy form or otherwise with the provisions of Section 127 of the Corporations Act. Section 127 of the Corporations Act provides that a company may execute a document without using its common seal if the document is signed by:
  - directors of the company;
  - a director and a company secretary of the company; or
  - for a proprietary company that has a sole director who is also the sole company secretary – that director.

For a company to rely on the assumptions set out in Section 129(5) and (7) of the Corporations Act, a document must appear to have been executed in accordance with Section 127(1) or (2). This effectively means that the status of the persons signing the document or witnessing the affixing of the seal must be set out and conform to the requirements of Section 127(1) or (2) as applicable. In particular, a person who witnesses the affixing of a common seal and who is the sole director and sole company secretary of the company must state that next to his or her signature.

4. Completion of a proxy form will not prevent individual Shareholders from attending the meeting in person if they wish. Where a Shareholder completes and lodges a valid proxy form and attends the meeting in person, then the proxy's authority to speak and vote for that shareholder is suspended while the shareholder is present at the meeting.
5. Where a proxy form or form of appointment of corporate representative is lodged and is executed under power of attorney, the power of attorney must be lodged in like manner as this proxy.
6. To vote by proxy, please complete and sign the proxy form enclosed and either:
  - (a) send the proxy form by post to Proto Resources & Investments Ltd, GPO Box 2517, Perth, WA, 6831; or
  - (a) send the proxy form by facsimile to the Company on facsimile number (08) 9480 0166,

so that it is received not later than 9.00am AEDT on 18 October 2012.

**Proxy forms received later than this time will be invalid.**