

**Re: SICK VPS Follow up**

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**From:** samer.soliman@rms.nsw.gov.au  
**To:** SINGH Jai <jai.singh@rms.nsw.gov.au>  
**Date:** Thu, 08 Sep 2016 16:44:24 +1000

No legal contact. Hayes will know who to talk to. I'd say the SICK report is better to send to legal.

Sent from my iPhone

On 8 Sep 2016, at 4:16 PM, SINGH Jai <[Jai.SINGH@rms.nsw.gov.au](mailto:Jai.SINGH@rms.nsw.gov.au)> wrote:

|

Hey do you know a contact in legal I can get in touch with?

Also do you have the trial report from novation for this trial? I want to send that across to them also in case they want to see the trial results.

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**From:** SINGH Jai  
**Sent:** Tuesday, 6 September 2016 12:45 PM  
**To:** 'Steven Down'  
**Cc:** SOLIMAN Samer; Massimo Sacchi  
**Subject:** RE: SICK VPS Follow up

Thanks for that Steven.

I'll get the ball rolling with legal.

Regards,  
Jai

**From:** Steven Down [<mailto:steven.down@>]  
**Sent:** Monday, 5 September 2016 3:11 PM  
**To:** SINGH Jai  
**Cc:** SOLIMAN Samer; Massimo Sacchi  
**Subject:** RE: SICK VPS Follow up

Hi Jai

Pleas see revised document as requested.

Let me know if there is any issues.

Cheers  
Steven

Steven Down  
Industry Specialist | Intralogistics and Transport  
<[image001.jpg](#)>

SICK Pty Ltd | Unit 1, 17 Stanton Rd | Seven Hills, NSW, 2147 | AUSTRALIA  
Phone +61 3 9457-0600 | Mobile [\[redacted\]](#) | Fax +61 3 9457-2023 | [steven.down@](mailto:steven.down@) [\[redacted\]](#) | [\[redacted\]](#)

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**From:** SINGH Jai <[Jai.SINGH@rms.nsw.gov.au](mailto:Jai.SINGH@rms.nsw.gov.au)>  
**To:** Steven Down <[steven.down@](mailto:steven.down@)>  
**Cc:** SOLIMAN Samer <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)>  
**Date:** 25/08/2016 11:45 AM  
**Subject:** RE: SICK VPS Follow up

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Hi Steven,

Just reviewed the validation document and it's looking good.

Just a couple of changes we'd like to the validation frequency.

After the initial 24 months, we'd like a periodical validation performed once a year instead of a spot check. Also we'd like to include 'ad hoc' spot checks if a need for it comes up e.g. VPS being potentially affected by weather events.

<[image002.png](#)>

If you can make those changes and remove the draft watermark that would be great. I'll then get in touch with legal to get things rolling.

Regards,  
Jai

**From:** SOLIMAN Samer  
**Sent:** Tuesday, 9 August 2016 11:28 AM  
**To:** Steven Down  
**Cc:** SINGH Jai  
**Subject:** RE: SICK VPS Follow up

thx steve. jai returns from leave in a couple of weeks, at which time he will seek legal endorsement for this.  
We will update you accordingly.

Samer Soliman  
Manager Heavy Vehicle Programs  
Compliance Operations

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**From:** Steven Down [ <mailto:steven.down> ]  
**Sent:** Monday, 8 August 2016 1:23 PM  
**To:** SOLIMAN Samer  
**Subject:** RE: SICK VPS Follow up  
Hi Samer

Attached is the documentation we have been discussing. As per the agreed program please review with your legal team and advise if there are any amendments that need to take place.

If you need any clarifications or want to have further discussions please don't hesitate to contact me.

Best regards  
Steven

Steven Down  
Industry Specialist | Intralogistics and Transport  
<image001.jpg>

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Phone +61 3 9457-0600 | Mobile | Fax +61 3 9457-2023 | [steven.down](mailto:steven.down) |

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From: SOLIMAN Samer <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)>  
To: Steven Down <[steven.down](mailto:steven.down)>  
Date: 29/07/2016 10:11 AM  
Subject: RE: SICK VPS Follow up

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[no worries, thanks for the email](#)

Samer Soliman  
Manager Heavy Vehicle Programs  
Compliance Operations

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**From:** Steven Down [ <mailto:steven.down> ]  
**Sent:** Friday, 29 July 2016 10:11 AM  
**To:** SOLIMAN Samer  
**Cc:** Massimo Sacchi  
**Subject:** Re: SICK VPS Follow up

Hi Samer

A couple of clarifications between our technical people have taken a bit longer than expected. We are 95% there.

Cheers  
Steven

Sent from my iPhone

On 29 Jul 2016, at 10:07 AM, SOLIMAN Samer <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)> wrote:

[how did you go mate?](#)

Samer Soliman  
Manager Heavy Vehicle Programs  
Compliance Operations

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**From:** Steven Down [ <mailto:steven.down> ]  
**Sent:** Monday, 18 July 2016 3:09 PM  
**To:** SOLIMAN Samer  
**Subject:** RE: SICK VPS Follow up

Hi Samer.

Just a quick update.

Looks like the documentation process is going well. I hope to have something to you mid next week

Cheers  
Steven

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From: SOLIMAN Samer <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)>  
To: Steven Down <[steven.down](mailto:steven.down)>  
Date: 29/06/2016 10:58 AM  
Subject: RE: SICK VPS Follow up

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This is perfect Steven, please proceed.

Samer Soliman  
Manager Heavy Vehicle Programs  
Compliance Operations

**From:** Steven Down [mailto:steven.down] [REDACTED]  
**Sent:** Monday, 27 June 2016 3:49 PM  
**To:** SOLIMAN Samer  
**Subject:** Re: SICK VPS Follow up

Hi Samar

I have discussed Internally what we need to do to get the VPS to a point where it will be suitable for legal use in NSW. I have put together a list of action items below.

- o SICK to provide draft documentation as basis for RMS certification. Need advice from other places in the world who have done this before
  - Description of how system works
  - Installation requirements and limitations
  - Accuracy statement
  - Calibration procedure
  - Validation procedure
  - Spot check procedure
  - Frequency recommendations for testing
- o RMS to take Draft to their legal team for advice on any changes that may be required to allow the system to stand up in court
- o RMS to submit to prosecutors to review.
- o SICK to make any changes required per recommendations (where possible)
- o RMS to decide if they need to "Gazette" the system as a "Legal device for measurement".

Can you please confirm that I have covered everything and you agree with what I am putting forward?

Then we can get started on getting the documentation together.

Thanks Steven

Steven Down  
Industry Specialist | Intralogistics and Transport  
<ATT00001.jpg>

SICK Pty Ltd | Unit 1, 17 Stanton Rd | Seven Hills, NSW, 2147 | AUSTRALIA  
Phone +61 3 9457-0600 | Mobile [REDACTED] | Fax +61 3 9457-2023 | [steven.down](mailto:steven.down) [REDACTED] | [REDACTED]

From: Steven Down/GAU/SICK  
To: "SOLIMAN Samer" <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)>  
Date: 09/06/2016 05:18 PM  
Subject: Re: SICK VPS Follow up

Hi Samer  
I was surprise too....

Friday is ok with me. Let me know what time.

Cheers.

Sent from my iPhone

On 9 Jun 2016, at 5:10 PM, SOLIMAN Samer <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)> wrote:

I'm a little surprised by NMI's response as they do currently approve other (speed measuring) devices for regulation. I'm only available next Friday, so if you're available, I'll book a meeting with my manager also who has extensive experience with NMI standards (for speed cameras).

Cheers,  
Samer

Sent from my iPhone

On 9 Jun 2016, at 4:11 PM, Steven Down <[steven.dow](mailto:steven.dow) [REDACTED]> wrote:

Hi Samer

I just realised Monday is a public holiday.

How about Tuesday?

Cheers  
Steven

Steven Down  
Industry Specialist | Intralogistics and Transport

SICK Pty Ltd | Unit 1, 17 Stanton Rd | Seven Hills, NSW, 2147 | AUSTRALIA  
Phone +61 3 9457-0600 | Mobile [REDACTED] | Fax +61 3 9457-2023 | [steven.down](mailto:steven.down) [REDACTED] | [http://www.\[REDACTED\]](http://www.[REDACTED])

Steven Down  
Industry Specialist | Intralogistics and Transport  
<ATT00002.jpg>

SICK Pty Ltd | Unit 1, 17 Stanton Rd | Seven Hills, NSW, 2147 | AUSTRALIA  
Phone +61 3 9457-0600 | Mobile [REDACTED] | Fax +61 3 9457-2023 | [steven.down](mailto:steven.down) [REDACTED] | [http://www.\[REDACTED\]](http://www.[REDACTED])

----- Forwarded by Steven Down/GAU/SICK on 09/06/2016 04:09 PM -----

From: Steven Down/GAU/SICK  
To: SOLIMAN Samer <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)>  
Cc: SINGH Jai <[Jai.SINGH@rms.nsw.gov.au](mailto:Jai.SINGH@rms.nsw.gov.au)>, Massimo Sacchi/GAU/SICK [REDACTED]  
Date: 09/06/2016 03:52 PM  
Subject: RE: SICK VPS Follow up

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Hi Samer.

As you are aware we attended site on Monday to rectify the alignment and of the VPS system and re-calibrate it. We completed this work and were successful in resolving the length error. I am putting together a report to outline the what was done and the results. I have attached a draft for your reference. Please take a look, I would appreciate your feedback.

We have also had a formal response from NMI regarding the certification of the system (see below)

*The Legal Metrology Branch of NMI has reviewed your request regarding the pattern approval of a VPS system: multidimensional measuring system for vehicles and has decided that NMI will not approve this measuring instrument for legal use.*

*As stated in your email, the VPS multidimensional measuring system for vehicles that you are requesting be pattern approved is "aimed to measure vehicles for detection of exceeding dimensions in respect to road regulations." NMI regulates instruments for trade use, but does not regulate instruments for the purpose of administering road regulations. Under the legislation that NMI administers pattern approval of this instrument is not required for the purposes described above.*

*I encourage you to contact the relevant roads and traffic authority with respect to the requirements for the application of this instrument to road regulations.*

*Please do not hesitate to contact me if you have any further questions.*

Best regards,  
Greg Harrington

**Dr Greg Harrington**  
Senior Policy Officer  
P: +61 2 8467 3770 | F: +61 2 8467 3849  
[gregory.harrington@measurement.gov.au](mailto:gregory.harrington@measurement.gov.au)

Given that it is outside the NMI scope to certify this system we need to work out where to form here. For this we will need guidance form RMS.

One potential solution is that SICK put together a procedure for testing and verifying the accuracy of the VPS that RMS approves. Then we can carry out the test on a periodic basis as a service to RMS. Would this meet your requirements?

Are you available for a meeting on Monday to discuss this?

Cheers  
Steven

From: Steven Down/GAU/SICK  
To: SOLIMAN Samer <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)>  
Cc: SINGH Jai <[Jai.SINGH@rms.nsw.gov.au](mailto:Jai.SINGH@rms.nsw.gov.au)>, Massimo Sacchi/GAU/SIC [REDACTED]  
Date: 02/06/2016 12:04 PM  
Subject: RE: SICK VPS Follow up

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Hi Samer

Fair enough, I understand your position. It is disappointing that the focus on purchasing additional system is no longer a priority for this financial year as we had previously discussed. I have put a lot of pressure on our team internally to get us in a position to get this over the line in the timeline.

In any case I will be on site on Monday to do the calibration and realignment. This will at least tick one of the boxes.

I will keep you posted as to the progress of both the Calibration and the Certification. In the mean time let me know if there is anything else you need form us to prove the concept.

Best Regards  
Steven Down

From: SOLIMAN Samer <[Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au)>  
To: Steven Down <[steven.down](mailto:steven.down)> [REDACTED]  
Cc: SINGH Jai <[Jai.SINGH@rms.nsw.gov.au](mailto:Jai.SINGH@rms.nsw.gov.au)>, Massimo Sacchi <[massimo.sacchi](mailto:massimo.sacchi)> [REDACTED]  
Date: 02/06/2016 11:49 AM  
Subject: RE: SICK VPS Follow up

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Hi Steven,

appreciate the updates.

At this stage, 1 week turn around for NMI to have some answers is acceptable, as this is new scope for them, and they usually take much longer than this. However, if you do not have traction after 1 week, pls contact us and we will organise a coelctive meeting with RMS, SICK, NMI.

Lets not worry too much about funding more units this financial year; we can still procure next financial year. The KEY at the moment is to ensure **calibration and certification**.

Until I have the trial unit at marulan calibrated(working to the highest accuracy possible) and certified for enforcement, I would not yet have proven concept and definitely can not procure more units(via tender or otherwise).

**Samer Soliman**

Manager Heavy Vehicle Programs  
Compliance Operations

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**From:** Steven Down [ <mailto:steven.down> ]

**Sent:** Thursday, 2 June 2016 11:12 AM

**To:** SOLIMAN Samer

**Cc:** SINGH Jai; Massimo Sacchi

**Subject:** RE: SICK VPS Follow up

Hi Samer

Our Systems Manager (Massimo Sacchi) has been in contact with NMI as per or discussions to give you confidence that the VPS system can be certified to some kind of standard recognised in Australia. Currently we are at a bit of a standstill and I wanted to update you on the situation.

We have asked NMI for advice on what the requirements would be to get the system certified in terms of documentation, planning and costs.

NMI are having internal discussion on what needs to be done and have advised they will get back to us in about a week.

Due to the tight time frames you have outlined (as I understand you need to have an invoice for an additional 8 systems by end of June), I am concerned that at this pace we will not get to a reasonable position in time.

The contact we have at NMI is Chris Davies (details below).

**Chris Davies**

**Head, Weighing and Electromagnetic Susceptibility**

Pattern Approval Section | Legal Metrology Branch | National Measurement Institute

P: +61 2 8467 3843 | F: +61 2 8467 3846 | NTM Hotline: 1300 686 664

[chris.davies@measurement.gov.au](mailto:chris.davies@measurement.gov.au)

We do have a certificate from the Swiss Institute of Meteorology for the VPS system which I have attached(unfortunately it's in German). Is this sufficient to give you the confidence you need to move forward?

If not please let me know as we need to put a plan in place to get there.

Thanks and Best Regards.

Steven

Steven Down

Industry Specialist | Intralogistics and Transport

SICK Pty Ltd | Unit 1, 17 Stanton Rd | Seven Hills, NSW, 2147 | AUSTRALIA

Phone +61 3 9457-0600 | Mobile [REDACTED] | Fax +61 3 9457-2023 | [steven.down](mailto:steven.down) [REDACTED] | [http://www.\[REDACTED\]](http://www.[REDACTED])

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From: SOLIMAN Samer < [Samer.SOLIMAN@rms.nsw.gov.au](mailto:Samer.SOLIMAN@rms.nsw.gov.au) >

To: Steven Down < [steven.down](mailto:steven.down) [REDACTED] >; SINGH Jai < [Jai.SINGH@rms.nsw.gov.au](mailto:Jai.SINGH@rms.nsw.gov.au) >

Date: 26/05/2016 11:19 AM

Subject: RE: SICK VPS Follow up

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Thanks Steven.

1) Jai is organising a cherry picker again for the 2nd round of tuning so SICK can get the accuracy within the documented tolerances.

2) We will not implement this feature during this initial trial period. to be re-assessed after the trial.

3) Certification of this is the most pressing issue; without certification, this unit can not be used for enforcement, so any further procurement is pending especially on this.

**Samer Soliman**

Manager Heavy Vehicle Programs  
Compliance Operations

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**From:** Steven Down [ <mailto:steven.down> ]

**Sent:** Monday, 23 May 2016 11:51 AM

**To:** SOLIMAN Samer; SINGH Jai

**Subject:** SICK VPS Follow up

Hi Samer / Jai

This is just a quick not to give you an update of the current position ion outstanding items for the VPS system at Marulan

**1. Length Accuracy:**

We have identified that the most likely cause of the length inaccuracy of approximately 15-20cm is a misaligned scanner.

This means that we will need to return to site and adjust the position of the scanner and calibrate the system. Are you able to provide a boom / scissor lift and an operator so we can gain access to the scanner? We will need to lock in a date to do this work so I can ensure we have everything ready on our side.

**2. Removal of the measurement of mirrors (width) antenna (height)**

This can be done by adjusting the point at which the height and width measurements are taken based on the length of the vehicle. We basically ignore the width and height measurement on the first X meters of the vehicle

If you want to implement this feature I need guidance from you as to how much of the vehicle you want to ignore for both width and height measurement

**3. Certification of the system**

We are currently working with our colleagues in our over seas factory to ascertain exactly what certification we currently have and how applicable it would be to NMI Certification in Australia. Our next step will be to approach NMI to determine the process to get the system certified and what the associated costs will be. As discussed there is no way the system could be certified this financial year so it is our intention to ask for some kind of guidance form NMI to confirm the system will be certifiable in the future.

I think that covers off the outstanding issues. If I have missed anything let me know.

What do you need on your side from us to get you in a position to place the order for the additional 8 systems?

Best Regards  
Steven

Steven Down  
Industry Specialist | Intralogistics and Transport

SICK Pty Ltd | Unit 1, 17 Stanton Rd | Seven Hills, NSW, 2147 | AUSTRALIA  
Phone +61 3 9457-0600 | Mobile [REDACTED] | Fax +61 3 9457-2023 | [steven.down@\[REDACTED\]](mailto:steven.down@[REDACTED]) | [http://www.\[REDACTED\]](http://www.[REDACTED])

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<VPS Results Report - Draft.pdf>

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