

# **NATIONAL ASBESTOS PROGRAM (NAP)**

## **SUMMARY REPORT FOR ROUNDS 35 & 36**

**MARCH 2018**

**REPORT NO. 1070**

### **ACKNOWLEDGMENTS**

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Ms E Baker - Consultant Occupational Hygienist  
Ms L Apthorpe - Pickford & Rhyder Consulting Pty Ltd / Hibbs & Associates Pty Ltd  
Mr G Pickford - Pickford Resources Pty Ltd

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## 1. FOREWORD

This report summarises the results of a proficiency testing program on the counting of fibres on prepared slides according to the procedure described in the NOHSC Guidance Note<sup>[1]</sup>. It constitutes the thirty-fifth and thirty-sixth rounds of an ongoing series of programs.

The program was conducted during the period March 2016 to December 2017 by Proficiency Testing Australia (PTA). The aim of the program was to assess individual counters' abilities to competently perform the prescribed analyses.

The Program Coordinator was Ms C Hirst, and the Technical Advisers were Ms L Apthorpe (formerly Pickford & Rhyder Consulting Pty Ltd, currently Hibbs & Associates Pty Ltd) and Mr G Pickford (Pickford Resources Pty Ltd). This report was authorised by Mrs F Watton, PTA Quality Manager.

## 2. INTRODUCTION

**Aim** - The aim of this program is to monitor the "accuracy" and reliability of results produced by individual counters from participating laboratories and thus improve the overall standard of work carried out in the area. This is considered essential given that important (and often expensive) decisions are based on test results produced by testing laboratories involved in the estimation of airborne asbestos dust.

**Regulation of the Scheme** - Proficiency Testing Australia (PTA) oversees the technical operation and development of the NAP. Independent experts provide check-counting services, together with technical advice.

**Outline of Operation** - Over the past twenty-nine years PTA (and previously NATA Proficiency Testing) has continued to provide a library of asbestos fibre slides that are used in the NAP.

Participation in this proficiency testing program would satisfy the requirements of ISO/IEC 17025<sup>[2]</sup> for assuring the quality of tests results.

The essence of the scheme is that reference samples are counted periodically by individual counters employed by each participating laboratory. Performance is assessed as "satisfactory", "questionable" or "unsatisfactory" by comparing participants' counts (in fibres/100 fields) with established reference values.

Each round takes approximately twelve months, during which time each counter initially receives one set of six slides. A follow up set of six slides is also sent shortly afterwards to counters whose performance is categorised as "unsatisfactory" for the initial stage.

The formal assessment of the counter (and thus laboratory performance) is based on the results obtained after each cycle (i.e. two consecutive rounds).

An outline of the participation procedure for Round 36 is found in Appendix 1.

### 3. OPERATION OF THE SCHEME

**Participants** - A total of 748 different counters, who were each given confidential numerical codes, took part in Round 35, and/or 36. These counters were employed in 154 separate facilities; comprising 128 Australian laboratories, 23 New Zealand laboratories, 2 Hong Kong laboratories, and 1 laboratory from the United Arab Emirates.

**Sample Preparation** - Samples are prepared in a vibrating aerosol asbestos fibre generator. Twenty-five (25) mm membrane filters were exposed to dust clouds (of various types and concentrations of asbestos) and asbestos fibres were drawn through the filters using a pump. The filters were then removed and cut in half. Both halves of the filter were mounted on separate glass slides by the procedure described in the NOHSC Guidance Note<sup>[1]</sup>.

**Sample Reference Values** - Each slide is initially assigned a reference value (fibres/100 fields) using the mean of counts obtained by independent experienced counters (from the sample supplier). Upper and lower limits are then assigned using a statistical approach which takes into account the Poisson distribution underlying the microscope fibre counting process used. These reference values and limits have been reviewed as more empirical data has become available after each Round of the NAP.

#### 3.1 Operation of each round

**Initiation** - A month before each round commences, a schedule is provided to each participating laboratory and each counter within the laboratory is nominated a particular month to receive and count a set of six slides.

**Submission of Slides and Instructions** - A set of six slides together with a detailed set of instructions (see Appendix 2) and result sheet (see Appendix 3) are sent to the counter during their scheduled month by Australia Post Express Post (UPS for international participants). The confidential counter code and slide identification numbers are already entered on the result sheet by PTA staff.

**Evaluation of Samples by Counters and Submission of Results** - The six slides are counted independently by the nominated counter. The procedure detailed in the NOHSC Guidance Note<sup>[1]</sup> must be strictly followed together with the counting rules, i.e. count 100 fibres or 100 fields whichever comes first, with a minimum of 20 fields being evaluated. These results are entered on the result sheet together with the additional information required with respect to the microscope used. The 'comments' section is used if a counter wishes to reject a slide (e.g. due to deterioration).

The completed result sheet and slides are then returned to PTA by courier or registered mail / Express Post.

### 3.2 Assessment of counter performance in each round

**Processing Results** - The counts obtained by each counter are compared with the reference values (in fibres/100 fields). The counter is then assigned a score of 0, 1 or 2 for each slide depending on how close his/her value is to the reference value.

The performance criteria are based on the total score (0-12) for the six slides and are detailed in Appendix 4.

A count on a slide is given a score of 1 if it is outside the inner upper or inner lower confidence limits.

A count on a slide is given a score of 2 if it is outside the outer upper or outer lower confidence limits.

**Check Counts and Follow-up** - Any slide for which a counter obtains a score of 2, or a score of 1 if it affects the performance category, are checked 'blind' by an independent experienced counter. No information on counter code or reference value is provided. If this independent counter confirms the original reference value (and hence outer and inner limits) the score for the participant stands. In the event that the reference value is amended or the slide discarded due to deterioration, the laboratory counter is given the benefit of any doubt.

Any counter who scores 4 or more for the initial six slides is sent a further set of six slides as a follow-up exercise. These slides are counted and results submitted in the normal way.

**Performance Criteria and Interim Report** - After a counter has performed in two consecutive rounds a performance category is also provided for the cycle. This is based on the scores obtained in both rounds and the criteria applied are detailed in Appendix 4.

After each round (and any associated follow-up) an interim report (refer Appendix 5) is produced which provides a summary of performance both for the round and cycle.

**Classification of Counters** - The performance category after each cycle is used to determine the counter classification. To demonstrate ongoing competence, the counter must obtain a "satisfactory" category after each cycle (i.e. must not receive two scores of 3 or more in two consecutive rounds). If a counter's performance is classified as unsatisfactory at the end of a cycle, then the counter normally has to achieve two scores of 0-2 (i.e. on each of two additional sets of six slides) before his or her performance can be considered satisfactory. These additional sets of slides are referred to as "special follow-up" slides.

**Training** - Counters who are categorised as "unsatisfactory" usually require further training. This may be provided in-house as part of the internal quality control procedures. Other formal training programs are run from time to time by various private organisations and some State Authorities. Later, performance in the next round of the NAP will provide external quality control and monitor the counter's performance.

#### 4. RESULTS OBTAINED IN ROUNDS 35 AND 36

The actual scores obtained by participants (by counter code) in both rounds are tabled in Appendix 6 together with the current performance category of each counter. A broad summary of the overall performance and counter classification is detailed in Appendix 7.

#### 5. TECHNICAL COMMENTS

Although the Instructions to Participants (see Appendix 2) request participants not to make any markings on the slides, a small number of counters continue to delineate the counting area with pen. This practice may indicate that those counters are not able to properly locate the edge of the filter and the countable area.

In normal circumstances, such as routine counting, filters are mounted using GTA (glycerol triacetate or triacetin). This medium should only cover the area of the filter, and not spread out to the edge of the cover-slip, allowing the edge of the filter to be well defined. The NAP slides, however, are prepared using Euparal, which lasts longer and must cover the entire area under the cover-slip. Despite this difference however, a competent analyst should easily be able to find the "exposed" area of the filter and adjust the area scanned for fibres. It may also be the case that analysts are not routinely performing a low power scan of the filter. This would clearly show the filter margins.

#### **Uncertainty and Coefficient of Variation (CV): Updated Data**

In an attempt to provide guidance on Uncertainties being achieved by analysts, Appendix K (Uncertainty) of the NOHSC Guidance Note<sup>[1]</sup>, provides an analysis of all NAP results from 1988 until 2002. An updated analysis was conducted in December 2017, using all NAP results from 1988 to 2017 which included some 65,000 individual counts using a total of around 2,500 slides. While the basic statistical principles of fibre counting have a fundamental theoretical minimum of the Poisson distribution, in reality, a variety of further uncertainties significantly add to this, including systematic and random errors, as discussion in Part 11 (Sampling and Analytical Uncertainty), and Appendix K of the NOHSC Guidance Note<sup>[1]</sup>.

In order to provide a broad comparison with the theoretical Poisson distribution, the Coefficient of Variation (CV) was used, which is the standard deviation divided by the average count. Two types of calculation estimates were used, one assuming that the counts came from the same population (arithmetic) and the second assuming that only counts in similar ranges were grouped and used (weighted). The CVs appear to have risen almost insignificantly since the 2002 results, bearing in mind that the approach then was not as rigorous as the current one. Further, there is little difference between the arithmetic and weighted CVs, thus also supporting the 'same population' premise.

Refer to the table on page 5 for a comparison of results:

| Criteria<br>Total Fibres<br>Counted/100 Fields | Coefficients of Variation (CVs) |              |                 |
|--|---------------------------------|--------------|-----------------|
|  | 2017 Data                       | 2017 Data    | 2002 NOHSC Data |
|  | (weighted)                      | (arithmetic) | (arithmetic)    |
| < 20   | 0.46                            | 0.44         | 0.42            |
| 20 - 49  | 0.37                            | 0.34         | 0.34            |
| 50 - 100                                       | 0.32                            | 0.29         | 0.30            |
| > 100  | 0.32                            | 0.28         | 0.28            |

**Comparison of CVs based on NAP data collected 1988 to 2002 (NOHSC) and 1988 to 2017 (2017 Data).**

In addition to the above analysis, the criteria (i.e. statistical limits) used by PTA for the NAP Program were reviewed and found to remain appropriate and valid. The results also show the importance of not using theoretical Poisson limits in any QA program criteria. In reality, real counters do not count to Poisson expectations, but something wider. The review demonstrated that if the Confidence Limits were based on the exact (95%) Poisson distribution, the 'failure' rate of reasonably competent counters would increase from 2% to around 40%, which would be unreasonable, and fails to support the results generated by the long-standing PTA (and formerly the Proficiency Testing Group of NATA) program.

## 6. CONCLUSIONS

The NAP has fulfilled its main aim of providing participating laboratories an external means of monitoring the accuracy and reliability of results produced by individual counters within their laboratory.

It has assisted individual counters by providing tangible evidence of their own performance, and when not satisfactory, has highlighted the need for additional training or remedial action.

At the conclusion of the cycle (i.e. at the end of Round 36) **95.5%** of participating counters were classified as satisfactory. This is an improvement on the previous cycle, at the conclusion of which 92% were satisfactory.

## 7. REFERENCES

- [1] *Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres* prepared by the National Occupational Health and Safety Commission 2<sup>nd</sup> Edition, [NOHSC:3003(2005)].
- [2] ISO/IEC 17025:2017 *General Requirements for the Competence of Testing and Calibration Laboratories*.

# APPENDICES

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## A1.1

### PROFICIENCY TESTING AUSTRALIA

#### NATIONAL ASBESTOS PROGRAM (NAP)

#### OUTLINE OF PARTICIPATION PROCEDURE FOR ROUND 36

(MARCH 2017 – DECEMBER 2017)

- 1) During the scheduled month, PTA will dispatch to the nominated counter six asbestos slides for counting according to the "Instructions to Participants" which will be enclosed with the slides.
- 2) The counter will, within a few days of receipt of the slides, count the six slides and record the results on the proforma results sheet provided with the "Instructions to Participants".
- 3) The counter will be required to return the slides wrapped in bubble-wrap, together with the completed results sheet, to PTA, using registered mail or courier so that the **slides** are received by PTA no later than the date shown on the instructions sheet.
- 4) Following receipt of a counter's results, PTA will issue you an interim report on the counter's performance.
- 5) Prior to the commencement of the round, PTA will invoice each laboratory for the costs of its participants in the program. (Please refer to "FEES" attached). Please note that where fees for follow-up participation or late return of slides are applicable, these charges will be invoiced separately later in the round.

## A2.1

### PROFICIENCY TESTING AUSTRALIA

### NATIONAL ASBESTOS PROGRAM (NAP)

### INSTRUCTIONS TO PARTICIPANTS

To ensure that the results of this program can be analysed properly, participants are asked to refer to the "Guidance Note on the Membrane Filter Method for Estimating Airborne Asbestos Fibres" prepared by the National Occupational Health and Safety Commission 2<sup>nd</sup> Edition, [NOHSC:3003(2005)] and carefully note the following:

- 1) For this slide exchange you have been provided with six asbestos fibre slides as labelled on your Results Sheet.
- 2) Prior to counting, each slide is to be cleaned if necessary, with a soft tissue (following moistening by breath) and then examined under a low power scan.

If any slides are considered to be of very poor quality (due to deterioration) and thus deemed unsuitable for counting, they should not be counted but details should be provided in the comments section of the Results Sheet as to reasons for rejection of the slide(s). These comments will then be reviewed.

**Note: It is not PTA's intention to provide slides of poor quality and it is hoped that all six slides are countable. However, there may be a few cases where, due to deterioration, slides may have to be rejected. On some slides - as with routine slides - there are artefacts on the underside of the membrane filter. These should be ignored provided that they do not interfere with counting. If "clumps" of fibres are present, these should be noted in the Comments section (e.g. "x" clumps in "y" fields of view) and the slides counted as prescribed in the NOHSC Guidance Note.**

**On some slides, small white dots (in positive phase contrast) or small black dots (in negative phase) may be present. These should be ignored as they do not interfere with counting.**

- 3) Counting of the slides is to be performed according to the Guidance Note (Refer to Section 10.4, "Counting and Sizing Fibres" on page 32).
- 4) Participants should analyse the PTA slides as normal routine samples, where possible. They are to be counted by the intended analyst only, and should NOT be distributed to other analysts in the laboratory for the purposes of checking or obtaining consensus results.
- 5) Where slides are delineated by ink markings, counting is to be restricted to that region enclosed by the markings.

**Note: If uncountable areas (like small "bubbles") are detected and there are no ink markings, please count the slide and make appropriate remarks in the Comments section.**

## A2.2

### **UNDER NO CIRCUMSTANCES ARE ANY ADDITIONAL MARKINGS TO BE MADE ON THE SLIDES**

- 6) Worksheets completed as part of this exercise are **not** to be sent to PTA but are to be retained in a separate file for later examination if required.

Only the completed Results Sheet is to be returned to PTA with the slides.

- 7) To minimise the costly replacement of slides, they must be handled with **utmost care**. Therefore, PTA requires:
- a) that slides be kept in the slide holders when they are not being counted;
  - b) that the lids of the slide holders be taped down with tape during transit;
  - c) that the slide boxes be securely surrounded by **Bubble Wrap** and enclosed in a padded postage bag;
  - d) that the slides be returned to PTA using **registered mail or courier**;
  - e) never use paper clips or butterfly clips to attach slides to worksheets as this may destroy adhesion between the coverslip and the filter.
- 8) The slides and the completed Results Sheet are then to be returned to:

Ms Christine Hirst  
Senior Scientific Officer  
Proficiency Testing Australia

*Physical Address* 628 Ipswich Road, Annerley, QLD, 4103, AUSTRALIA  
*Postal Address* P O Box 1122, Archerfield BC, QLD, 4108, AUSTRALIA

no later than **xx xxxx 2017**.

**Failure to return slides and results by this date will incur the laboratory a late fee.**

- 9) For this program you have been allocated the code number given on the Results Sheet. This will allow for confidential treatment of your results in any publications PTA prepares.

### **NOTE TO PARTICIPANTS**

Dark or light bodies may be observed within the body of the filter. These bodies will appear black if negative phase contrast is in use and white if positive phase contrast is in use. Irrespective of their shape they should be ignored when counting fibres on the filter.



## A4.1

### Criteria for Monitoring Performance of Counters Participating in NAP

Notes:

1. Each counter receives 6 slides every 12 months (1 round per annum), with each round usually scheduled over a ten month period from March to December.
2. The NAP compares a counter's result for a single slide with a "reference" value. Each slide has an established reference value, and corresponding inner and outer limits, which are symmetrical intervals around an established mean. As fibre-count data follow a Poisson distribution, and the standard deviation of a Poisson distribution is a function of the mean of the distribution, then the limits on either side of the mean for the NAP slides are, in fact, a multiple of the standard deviation.

Each counter receives a score out of 12 for each round made up of the sum of the scores for individual slides counted within a set.

3. The scores for individual slides are:
  - 2 if the count is extreme (i.e. outside the outer limits)
  - 1 if the count is marginal (i.e. between inner and outer limits)
  - 0 if the count is satisfactory (between inner limits)

**A total score of "≥4" is unsatisfactory, "3" is questionable and "0-2" is satisfactory.**

4. If the total score for the 6 slides is 4 or more (i.e. unsatisfactory), the counter will be sent a further set of 6 "follow-up" slides before the next round of the program. If a score of 3 or more is obtained in a "follow-up" round, then the counter's performance will be classified as unsatisfactory for the cycle. If a score of "2" or less is obtained in a "follow-up" round, performance is graded as "questionable", and a count of "2" or less must be obtained in the subsequent round for performance to be classified as "satisfactory" for the cycle.
5. If any counter receives two scores of 3 or more during a cycle (i.e. any two consecutive rounds), the performance category for the cycle will be classified as "unsatisfactory" and the counter will need to obtain a score of "2" or less for their next two sets of slides before their grading can be classified as "satisfactory". Counters may request additional sets of "follow-up" slides prior to the next routine round to facilitate this process (time-frame will be subject to slide availability). These additional sets of slides are referred to as "special follow-up".

The scoring system and performance grading is best illustrated by the diagram on the reverse side of the page.

**A4.2**

ROUND 36

**Criteria for Monitoring Performance of Counters Participating in NAP  
(Based on a continuing cycle i.e. Two consecutive Rounds)**

| Round 35 | Follow-Up | Round 36    | Follow-Up | Satisfactory | Questionable | Unsatisfactory |   |
|----------|-----------|-------------|-----------|--------------|--------------|----------------|---|
| ≥4       | 0-2       | 0-2         | -         | ✓            | -            | -              |   |
|          |           | ≥3 #        | -         | -            | -            | ✓              |   |
|          | ≥3 #      | any score * | -         | -            | -            | ✓              |   |
| 3        | -         | 0-2         | -         | ✓            | -            | -              |   |
|          |           | ≥3 #        | -         | -            | -            | ✓              |   |
| 0-2      | -         | 0-2         | -         | ✓            | -            | -              |   |
|          |           | 3           | -         | -            | ✓            | -              |   |
|          |           | ≥4          | 0-2       | -            | -            | ✓              | - |
|          |           |             | ≥3 #      | -            | -            | -              | ✓ |

\* The score (0-2) will be examined in conjunction with the scores in the next round (Round 37) before the unsatisfactory category can be reviewed.

# Please see note 5.

**A5.1**

14 December 2017

EXAMPLE ONLY

*Name*  
*Address*

Dear

**RE: NATIONAL ASBESTOS PROGRAM - ROUND 36**

PTA Client No: *PDxxxxxx*

Counter Code: *xxx*

Please find below a summary of your performance in Round 36 of the National Asbestos Program (NAP).

| <b>Round</b> | <b>Month</b> | <b>Slide Id</b> | <b>Slide Score</b> | <b>Total Score</b> |
|--------------|--------------|-----------------|--------------------|--------------------|
| 36           | December     | 20008           | 0                  | 0                  |
|              |              | 18947           | 0                  |                    |
|              |              | 18978           | 0                  |                    |
|              |              | 20240           | 0                  |                    |
|              |              | 14593           | 0                  |                    |
|              |              | 18281           | 0                  |                    |

The criteria used by PTA for categorising performance, together with follow-up procedures, are detailed in the attachment. On applying these criteria to your performance for the cycle (i.e. Rounds 35 and 36) now completed, the following summary applies.

| <b>Round 35 Score</b> | <b>Follow-up Score</b> | <b>Round 36 Score</b> | <b>Follow-up Score</b> | <b>Performance Category for Cycle</b> |
|-----------------------|------------------------|-----------------------|------------------------|---------------------------------------|
| 2                     |                        | 0                     |                        | Satisfactory                          |

Finally, any comments or suggestions you wish to make on your performance or the program in general are most welcome. I look forward to your participation in Round 37 of the program (scheduled for ~ December 2018).

Yours sincerely

Christine Hirst  
SENIOR SCIENTIFIC OFFICER

## A6.1

### NATIONAL ASBESTOS PROGRAM (NAP)

#### SUMMARY OF RESULTS FOR ROUNDS 35 (2016) & 36 (2017)

|     |   |
|-----|---|
| *   | Non-participation (where an enrolled counter was not involved in that specific round).  |
| w/d | Withdrawn (the counter withdrew from program during that round). The withdrawal may be permanent, or temporary (i.e. for that round only).                    |
| #   | Special follow-up (where additional 'special' follow-up slides were issued to a counter upon request, normally to facilitate achieving satisfactory grading). |
| +   | Results unavailable at time of printing. In the case of the performance grading, + denotes "unclassified" due to unavailable results.                         |
| N   | No results submitted (where slides were issued, but counter failed to submit results).  |

Performance Categories – based on the table in Appendix 4:

S      Satisfactory  
 U      Unsatisfactory  
 Q      Questionable

Note:

Where a counter's score was greater than three in Round 36 (i.e. unsatisfactory) and the follow-up was less than three (i.e. satisfactory), the performance category is shown as "Q", pending the counter's results in Round 37.

| COUNTER CODE | Round 35<br>Score | Follow-up | Round 36<br>Score | Follow-up | Performance<br>Category at<br>26/02/18 |
|--------------|-------------------|-----------|-------------------|-----------|--|
| 1            | 1                 |           | w/d               |           | S                                      |
| 2            | 1                 |           | 0                 |           | S                                      |
| 3            | 1                 |           | 0                 |           | S                                      |
| 5            | 0                 |           | 0                 |           | S                                      |
| 6            | 0                 |           | 0                 |           | S                                      |
| 7            | 2                 |           | w/d               |           | S                                      |
| 9            | 2                 |           | 0                 |           | S                                      |
| 10           | 0                 |           | 0                 |           | S                                      |
| 11           | 0                 |           | 0                 |           | S                                      |
| 12           | 0                 |           | 0                 | w/d       | S                                      |
| 14           | 1                 |           | w/d               |           | S                                      |
| 15           | 0                 |           | 0                 |           | S                                      |
| 16           | 1                 |           | 0                 |           | S                                      |
| 18           | *                 |           | 0                 |           | S                                      |
| 19           | 2                 |           | w/d               |           | S                                      |
| 20           | 0                 |           | 0                 |           | S                                      |
| 21           | 0                 |           | 0                 |           | S                                      |
| 23           | 0                 |           | w/d               |           | S                                      |
| 24           | 1                 |           | 2                 |           | S                                      |



## A6.2

| COUNTER<br>CODE | Round 35 |           | Round 36 |           | Performance<br>Category at<br>26/02/18 |
|-----------------|----------|-----------|----------|-----------|--|
|                 | Score    | Follow-up | Score    | Follow-up |  |
| 25              | 0        |           | w/d      |           | S                                      |
| 28              | 0        |           | 0        |           | S                                      |
| 29              | 0        |           | 0        |           | S                                      |
| 30              | 0        |           | 2        |           | S                                      |
| 32              | 0        |           | w/d      |           | S                                      |
| 33              | 0        |           | 3        |           | Q                                      |
| 34              | 1        |           | 1        |           | S                                      |
| 35              | 0        |           | w/d      |           | S                                      |
| 36              | 2        |           | w/d      |           | S                                      |
| 37              | 2        |           | 2        |           | S                                      |
| 38              | 2        |           | w/d      |           | S                                      |
| 39              | 0        |           | w/d      |           | S                                      |
| 40              | *        |           | 2        |           | S                                      |
| 42              | 2        |           | w/d      |           | S                                      |
| 44              | 1        |           | 0        |           | S                                      |
| 45              | 1        |           | 0        |           | S                                      |
| 46              | 2        |           | 0        |           | S                                      |
| 47              | 1        |           | 0        |           | S                                      |
| 48              | 1        |           | 1        |           | S                                      |
| 50              | 7        |           | w/d      |           | U                                      |
| 51              | 1        |           | 1        |           | S                                      |
| 53              | 2        |           | w/d      |           | S                                      |
| 55              | 0        |           | 0        |           | S                                      |
| 56              | 2        |           | 2        |           | S                                      |
| 57              | 0        |           | 0        |           | S                                      |
| 58              | 0        |           | w/d      |           | S                                      |
| 59              | 0        |           | w/d      |           | S                                      |
| 60              | 0        |           | 0        |           | S                                      |
| 61              | 2        |           | 1        |           | S                                      |
| 62              | 0        |           | 0        |           | S                                      |
| 64              | 0        |           | 1        |           | S                                      |
| 65              | 0        |           | 0        |           | S                                      |
| 68              | 0        |           | w/d      |           | S                                      |
| 69              | 0        |           | 0        |           | S                                      |
| 70              | 2        |           | 0        |           | S                                      |
| 72              | 1        |           | w/d      |           | S                                      |
| 73              | 0        |           | 1        |           | S                                      |
| 74              | 0        |           | 0        |           | S                                      |
| 76              | 0        |           | 0        |           | S                                      |
| 77              | 0        |           | 0        |           | S                                      |
| 79              | 2        |           | 0        |           | S                                      |
| 81              | 1        |           | w/d      |           | S                                      |
| 82              | 1        |           | 0        |           | S                                      |
| 83              | 0        |           | 0        |           | S                                      |
| 84              | 0        |           | w/d      |           | S                                      |
| 85              | 2        |           | 0        |           | S                                      |
| 88              | 2        |           | 1        |           | S                                      |

### A6.3

| COUNTER CODE | Round 35 |           | Round 36 |           | Performance Category at 26/02/18 |
|--------------|----------|-----------|----------|-----------|----------------------------------|
|              | Score    | Follow-up | Score    | Follow-up |                                  |
| 89           | 0        |           | 0        |           | S                                |
| 90           | 3        |           | 0        |           | S                                |
| 91           | 0        |           | 0        |           | S                                |
| 92           | 0        |           | w/d      |           | S                                |
| 94           | *        |           | 0        |           | S                                |
| 95           | 1        |           | 0        |           | S                                |
| 96           | 0        |           | 2        |           | S                                |
| 97           | *        |           | 2        |           | S                                |
| 98           | 0        |           | 0        |           | S                                |
| 99           | *        |           | +        |           | +                                |
| 100          | 3        |           | 0        |           | S                                |
| 101          | 0        |           | 0        |           | S                                |
| 102          | 2        |           | 0        |           | S                                |
| 103          | 0        |           | w/d      |           | S                                |
| 105          | 0        |           | 0        |           | S                                |
| 106          | 0        |           | 0        |           | S                                |
| 109          | 0        |           | 0        |           | S                                |
| 111          | 0        |           | w/d      |           | S                                |
| 112          | 0        |           | 0        |           | S                                |
| 113          | 0        |           | 3        |           | Q                                |
| 114          | 0        |           | 0        |           | S                                |
| 115          | *        |           | 1        |           | S                                |
| 116          | *        |           | 0        |           | S                                |
| 118          | 0        |           | 2        |           | S                                |
| 119          | 1        |           | 0        |           | S                                |
| 123          | 0        |           | 2        |           | S                                |
| 126          | 1        |           | 0        |           | S                                |
| 127          | 3        |           | 0        |           | S                                |
| 128          | 0        |           | 0        |           | S                                |
| 129          | 0        |           | w/d      |           | S                                |
| 133          | 0        |           | 0        |           | S                                |
| 137          | 0        |           | 0        |           | S                                |
| 138          | 0        |           | 1        |           | S                                |
| 139          | *        |           | 0        |           | S                                |
| 140          | 1        |           | 0        |           | S                                |
| 141          | 1        |           | 0        |           | S                                |
| 142          | 6        | 2, 1#     | 0        |           | S                                |
| 144          | 1        |           | w/d      |           | S                                |
| 145          | 0        |           | w/d      |           | S                                |
| 146          | 0        |           | 0        |           | S                                |
| 147          | 1        |           | w/d      |           | S                                |
| 148          | 1        |           | 0        |           | S                                |
| 150          | 0        |           | 1        |           | S                                |
| 152          | 1        |           | w/d      |           | S                                |
| 154          | 0        |           | 0        |           | S                                |
| 156          | 1        |           | w/d      |           | S                                |
| 157          | 0        |           | w/d      |           | S                                |

### A6.4

| COUNTER CODE | Round 35 |           | Round 36 |           | Performance Category at 26/02/18 |
|--------------|----------|-----------|----------|-----------|----------------------------------|
|              | Score    | Follow-up | Score    | Follow-up |                                  |
| 158          | 0        |           | 0        |           | S                                |
| 160          | 0        |           | 0        | w/d       | S                                |
| 161          | *        |           | 1        | w/d       | S                                |
| 162          | 1        |           | 1        |           | S                                |
| 163          | 2        |           | 2        |           | S                                |
| 164          | 0        |           | 0        |           | S                                |
| 165          | 2        |           | 6        | 0         | Q                                |
| 166          | 0        |           | w/d      |           | S                                |
| 167          | 1        |           | w/d      |           | S                                |
| 168          | 1        |           | 0        |           | S                                |
| 169          | 2        |           | 0        |           | S                                |
| 170          | 0        |           | 0        |           | S                                |
| 171          | 0        |           | 0        |           | S                                |
| 173          | 1        |           | 0        |           | S                                |
| 174          | 0        |           | w/d      |           | S                                |
| 177          | 0        |           | w/d      |           | S                                |
| 178          | 0        |           | 0        |           | S                                |
| 179          | 0        |           | w/d      |           | S                                |
| 182          | 0        |           | 0        |           | S                                |
| 184          | *        |           | 0        |           | S                                |
| 186          | 0        |           | w/d      |           | S                                |
| 187          | 0        |           | +        |           | S                                |
| 190          | 0        |           | w/d      |           | S                                |
| 191          | 1        |           | w/d      |           | S                                |
| 193          | 0        |           | 0        |           | S                                |
| 194          | 0        |           | 0        |           | S                                |
| 196          | 0        |           | 0        |           | S                                |
| 198          | 0        |           | w/d      |           | S                                |
| 200          | 0        |           | 0        |           | S                                |
| 201          | 0        |           | 1        |           | S                                |
| 202          | 0        |           | 1        |           | S                                |
| 206          | 1        |           | w/d      |           | S                                |
| 211          | 1        |           | 0        |           | S                                |
| 213          | *        |           | 0        |           | S                                |
| 214          | 1        |           | 2        |           | S                                |
| 215          | 2        |           | 1        |           | S                                |
| 216          | 0        |           | w/d      |           | S                                |
| 217          | 0        |           | 0        |           | S                                |
| 218          | 0        |           | 0        |           | S                                |
| 219          | 2        |           | 0        |           | S                                |
| 221          | 2        |           | 0        | w/d       | S                                |
| 222          | 1        |           | w/d      |           | S                                |
| 223          | 0        |           | 0        |           | S                                |
| 224          | 2        |           | 0        |           | S                                |
| 225          | 1        |           | w/d      |           | S                                |
| 227          | 5        | 0         | 1        |           | S                                |
| 229          | 1        |           | 0        |           | S                                |

### A6.5

| COUNTER CODE | Round 35<br>Score | Follow-up | Round 36<br>Score | Follow-up | Performance Category at 26/02/18 |
|--------------|-------------------|-----------|-------------------|-----------|----------------------------------|
| 230          | 0                 |           | w/d               |           | S                                |
| 231          | 0                 |           | w/d               |           | S                                |
| 232          | 0                 |           | w/d               |           | S                                |
| 233          | 2                 |           | w/d               |           | S                                |
| 234          | 0                 |           | w/d               |           | S                                |
| 235          | 0                 |           | w/d               |           | S                                |
| 237          | 1                 |           | w/d               |           | S                                |
| 238          | 0                 |           | 0                 |           | S                                |
| 239          | 2                 |           | w/d               |           | S                                |
| 240          | 0                 |           | w/d               |           | S                                |
| 241          | 0                 |           | 0                 |           | S                                |
| 242          | 0                 |           | 0                 |           | S                                |
| 243          | 0                 |           | 1                 |           | S                                |
| 244          | 0                 |           | w/d               |           | S                                |
| 247          | 0                 |           | w/d               |           | S                                |
| 249          | 2                 |           | 4                 | 0         | Q                                |
| 250          | 1                 |           | 1                 |           | S                                |
| 252          | 0                 |           | w/d               |           | S                                |
| 253          | 0                 |           | 0                 |           | S                                |
| 254          | *                 |           | 1                 |           | S                                |
| 255          | 0                 |           | 0                 |           | S                                |
| 256          | 0                 |           | 2                 |           | S                                |
| 257          | 1                 |           | w/d               |           | S                                |
| 259          | 0                 |           | w/d               |           | S                                |
| 260          | 2                 |           | 2                 |           | S                                |
| 261          | 2                 |           | 2                 |           | S                                |
| 262          | 1                 |           | 2                 |           | S                                |
| 263          | 2                 |           | w/d               |           | S                                |
| 265          | 0                 |           | w/d               |           | S                                |
| 266          | 0                 |           | w/d               |           | S                                |
| 267          | 1                 |           | 0                 |           | S                                |
| 271          | 1                 |           | w/d               |           | S                                |
| 272          | 3                 |           | 2                 |           | S                                |
| 273          | 0                 |           | 1                 |           | S                                |
| 274          | 2                 |           | w/d               |           | S                                |
| 275          | 1                 |           | w/d               |           | S                                |
| 276          | 2                 |           | 1                 |           | S                                |
| 277          | 0                 |           | w/d               |           | S                                |
| 279          | 0                 |           | 1                 |           | S                                |
| 282          | 1                 |           | 1                 |           | S                                |
| 283          | 1                 |           | 0                 |           | S                                |
| 284          | 1                 |           | 2                 |           | S                                |
| 285          | *                 |           | 0                 |           | S                                |
| 289          | 0                 |           | 0                 |           | S                                |
| 290          | 4                 | 1         | 0                 |           | S                                |
| 291          | 2                 |           | 0                 |           | S                                |
| 292          | 0                 |           | w/d               |           | S                                |

### A6.6

| COUNTER CODE | Round 35<br>Score | Follow-up | Round 36<br>Score | Follow-up | Performance<br>Category at<br>26/02/18 |
|--------------|-------------------|-----------|-------------------|-----------|--|
| 297          | 1                 |           | w/d               |           | S                                      |
| 299          | 1                 |           | w/d               |           | S                                      |
| 300          | 0                 |           | 0                 |           | S                                      |
| 301          | 0                 |           | 1                 |           | S                                      |
| 302          | 0                 |           | 0                 |           | S                                      |
| 303          | 1                 |           | w/d               |           | S                                      |
| 304          | 0                 |           | w/d               |           | S                                      |
| 305          | 0                 |           | 2                 |           | S                                      |
| 306          | 0                 |           | 0                 |           | S                                      |
| 307          | 0                 |           | 0                 |           | S                                      |
| 308          | 0                 |           | w/d               |           | S                                      |
| 313          | 0                 |           | w/d               |           | S                                      |
| 320          | 0                 |           | 0                 |           | S                                      |
| 322          | 1                 |           | 0                 |           | S                                      |
| 323          | 2                 |           | 0                 |           | S                                      |
| 325          | 8                 |           | 2                 | 0#        | S                                      |
| 326          | 1                 |           | 2                 |           | S                                      |
| 327          | 1                 |           | 0                 |           | S                                      |
| 328          | 0                 |           | 0                 |           | S                                      |
| 331          | 0                 |           | w/d               |           | S                                      |
| 332          | 0                 |           | w/d               |           | S                                      |
| 333          | 0                 |           | 1                 |           | S                                      |
| 334          | *                 |           | 0                 |           | S                                      |
| 335          | 0                 |           | 0                 |           | S                                      |
| 336          | 0                 |           | 0                 |           | S                                      |
| 337          | 0                 |           | w/d               |           | S                                      |
| 338          | 2                 |           | w/d               |           | Q                                      |
| 340          | 2                 |           | 2                 |           | S                                      |
| 341          | 0                 |           | 1                 |           | S                                      |
| 342          | 0                 |           | w/d               |           | S                                      |
| 344          | 1                 |           | 0                 |           | S                                      |
| 348          | 0                 |           | 0                 |           | S                                      |
| 349          | 0                 |           | 0                 |           | S                                      |
| 350          | *                 |           | 0                 |           | S                                      |
| 351          | 0                 |           | w/d               |           | S                                      |
| 352          | 2                 |           | w/d               |           | S                                      |
| 354          | 1                 |           | 1                 |           | S                                      |
| 355          | 0                 |           | 2                 |           | S                                      |
| 357          | 1                 |           | w/d               |           | S                                      |
| 358          | *                 |           | 2                 |           | S                                      |
| 359          | 2                 |           | w/d               |           | S                                      |
| 360          | 2                 |           | w/d               |           | S                                      |
| 361          | 0                 |           | 1                 |           | S                                      |
| 362          | 0                 |           | 0                 |           | S                                      |
| 363          | 1                 |           | 6                 | 1, 1#     | S                                      |
| 364          | 0                 |           | w/d               |           | S                                      |
| 366          | 1                 |           | w/d               |           | S                                      |

A6.7

| COUNTER CODE | Round 35<br>Score | Follow-up | Round 36<br>Score | Follow-up | Performance<br>Category at<br>26/02/18 |
|--------------|-------------------|-----------|-------------------|-----------|--|
| 368          | 0                 |           | 0                 |           | S                                      |
| 369          | 1                 |           | 0                 |           | S                                      |
| 370          | 1                 |           | 0                 |           | S                                      |
| 371          | 0                 |           | 2                 |           | S                                      |
| 372          | 0                 |           | w/d               |           | S                                      |
| 373          | 0                 |           | 1                 |           | S                                      |
| 374          | 2                 |           | 0                 |           | S                                      |
| 375          | 0                 |           | w/d               |           | S                                      |
| 376          | 1                 |           | 1                 |           | S                                      |
| 377          | 0                 |           | w/d               |           | S                                      |
| 378          | 1                 |           | 4                 | 1         | Q                                      |
| 380          | 0                 |           | 1                 |           | S                                      |
| 381          | 1                 |           | 0                 |           | S                                      |
| 382          | 2                 |           | w/d               |           | S                                      |
| 383          | 0                 |           | 1                 |           | S                                      |
| 384          | 0                 |           | 0                 |           | S                                      |
| 386          | 0                 |           | 0                 |           | S                                      |
| 387          | 1                 |           | 0                 |           | S                                      |
| 388          | 0                 |           | 0                 |           | S                                      |
| 389          | 2                 |           | w/d               |           | S                                      |
| 390          | 2                 |           | w/d               |           | S                                      |
| 391          | 2                 |           | 0                 |           | S                                      |
| 392          | 0                 |           | w/d               |           | S                                      |
| 393          | 0                 |           | w/d               |           | S                                      |
| 394          | 0                 |           | 0                 |           | S                                      |
| 395          | 2                 |           | 2                 |           | S                                      |
| 396          | 0                 |           | 0                 | w/d       | S                                      |
| 398          | 0                 |           | w/d               |           | S                                      |
| 399          | 0                 |           | 0                 |           | S                                      |
| 400          | 0                 |           | 0                 |           | S                                      |
| 401          | 0                 |           | w/d               |           | S                                      |
| 402          | 0                 |           | w/d               |           | S                                      |
| 404          | 2                 |           | 0                 |           | S                                      |
| 405          | 0                 |           | 0                 |           | S                                      |
| 406          | 1                 |           | 1                 |           | S                                      |
| 407          | *                 |           | +                 |           | +                                      |
| 408          | *                 |           | 2                 |           | S                                      |
| 409          | 1                 |           | 1                 |           | S                                      |
| 410          | 0                 |           | 0                 |           | S                                      |
| 411          | 0                 |           | 0                 |           | S                                      |
| 412          | 0                 |           | 0                 |           | S                                      |
| 413          | 2                 |           | 0                 |           | S                                      |
| 414          | 2                 |           | w/d               |           | S                                      |
| 415          | 1                 |           | w/d               |           | S                                      |
| 416          | 1                 |           | 1                 |           | S                                      |
| 418          | 0                 |           | 1                 |           | S                                      |
| 419          | 0                 |           | 1                 |           | S                                      |

A6.8

| COUNTER CODE | Round 35<br>Score | Follow-up | Round 36<br>Score | Follow-up | Performance Category at 26/02/18 |
|--------------|-------------------|-----------|-------------------|-----------|----------------------------------|
| 420          | 2                 |           | w/d               |           | S                                |
| 421          | 0                 |           | w/d               |           | S                                |
| 423          | 0                 |           | w/d               |           | S                                |
| 427          | 0                 |           | 0                 |           | S                                |
| 429          | 2                 |           | 1                 |           | S                                |
| 436          | 0                 |           | 0                 |           | S                                |
| 440          | 1                 |           | 0                 |           | S                                |
| 441          | 0                 |           | w/d               |           | S                                |
| 442          | 2                 |           | w/d               |           | S                                |
| 443          | 0                 |           | 0                 |           | S                                |
| 444          | 1                 |           | w/d               |           | S                                |
| 445          | 2                 |           | 0                 |           | S                                |
| 447          | 0                 |           | 1                 |           | S                                |
| 449          | 0                 |           | w/d               |           | S                                |
| 450          | 3                 |           | 0                 |           | U                                |
| 451          | 0                 |           | 1                 |           | S                                |
| 452          | 1                 |           | w/d               |           | S                                |
| 453          | 0                 |           | w/d               |           | S                                |
| 454          | 0                 |           | 0                 |           | S                                |
| 455          | 3                 |           | w/d               |           | U                                |
| 456          | 2                 |           | w/d               |           | S                                |
| 457          | 1                 |           | 0                 |           | S                                |
| 458          | 0                 |           | 0                 |           | S                                |
| 459          | 2                 |           | 0                 |           | S                                |
| 460          | 0                 |           | 0                 | w/d       | S                                |
| 461          | 0                 |           | 0                 |           | S                                |
| 462          | 0                 |           | 0                 |           | S                                |
| 465          | 0                 |           | 0                 |           | S                                |
| 468          | 2                 |           | 0                 |           | S                                |
| 469          | *                 |           | 0                 |           | S                                |
| 470          | *                 |           | 0                 |           | S                                |
| 471          | 4                 | 0         | w/d               |           | Q                                |
| 473          | 0                 |           | 0                 |           | S                                |
| 474          | 0                 |           | w/d               |           | S                                |
| 475          | 0                 |           | w/d               |           | S                                |
| 476          | 2                 |           | w/d               |           | S                                |
| 478          | 1                 |           | w/d               |           | S                                |
| 479          | *                 |           | 0                 |           | S                                |
| 480          | 2                 |           | 0                 |           | S                                |
| 481          | 1                 |           | w/d               |           | S                                |
| 484          | 0                 |           | 0                 |           | S                                |
| 485          | 0                 |           | 0                 |           | S                                |
| 486          | 0                 |           | w/d               |           | S                                |
| 487          | *                 |           | 1                 |           | S                                |
| 488          | 0                 |           | 1                 |           | S                                |
| 489          | 1                 |           | w/d               |           | S                                |
| 490          | 1                 |           | 5                 | 0, 0#     | S                                |

A6.9

| COUNTER CODE | Round 35<br>Score | Follow-up | Round 36<br>Score | Follow-up | Performance<br>Category at<br>26/02/18 |
|--------------|-------------------|-----------|-------------------|-----------|--|
| 491          | 1                 |           | 1                 |           | S                                      |
| 492          | *                 |           | 0                 |           | S                                      |
| 493          | 1                 |           | w/d               |           | S                                      |
| 494          | 1                 |           | 3                 | 0#        | S                                      |
| 497          | 0                 |           | 0                 |           | S                                      |
| 498          | 0                 |           | 0                 |           | S                                      |
| 499          | 0                 |           | w/d               |           | S                                      |
| 500          | 0                 |           | w/d               |           | S                                      |
| 505          | 0                 |           | 0                 |           | S                                      |
| 507          | 0                 |           | 0                 |           | S                                      |
| 510          | 0                 |           | 0                 |           | S                                      |
| 511          | *                 |           | 1                 |           | S                                      |
| 512          | 1                 |           | 2                 |           | S                                      |
| 513          | 0                 |           | 0                 |           | S                                      |
| 514          | 0                 |           | 1                 |           | S                                      |
| 515          | 1                 |           | 0                 |           | S                                      |
| 517          | *                 |           | 1                 | w/d       | S                                      |
| 520          | 2                 |           | w/d               |           | S                                      |
| 521          | 0                 |           | w/d               |           | S                                      |
| 523          | 0                 |           | 1                 |           | S                                      |
| 525          | 0                 |           | 3                 | w/d       | Q                                      |
| 526          | 1                 |           | 2                 |           | S                                      |
| 527          | 1                 |           | w/d               |           | S                                      |
| 528          | 0                 |           | 0                 |           | S                                      |
| 529          | 0                 |           | 0                 |           | S                                      |
| 532          | 0                 |           | 0                 |           | S                                      |
| 533          | 0                 |           | 1                 |           | S                                      |
| 535          | 0                 |           | 1                 |           | S                                      |
| 536          | 0                 |           | w/d               |           | S                                      |
| 537          | 1                 |           | 1                 |           | S                                      |
| 538          | *                 |           | 0                 |           | S                                      |
| 541          | 0                 |           | 0                 |           | S                                      |
| 542          | 0                 |           | 1                 |           | S                                      |
| 544          | 0                 |           | w/d               |           | S                                      |
| 545          | 0                 |           | 0                 |           | S                                      |
| 546          | 2                 |           | w/d               |           | S                                      |
| 547          | 1                 |           | 3                 |           | Q                                      |
| 548          | 0                 |           | 1                 |           | S                                      |
| 550          | 0                 |           | w/d               |           | S                                      |
| 553          | 0                 |           | w/d               |           | S                                      |
| 554          | 1                 |           | w/d               |           | S                                      |
| 555          | 1                 |           | 0                 |           | S                                      |
| 556          | 0                 |           | w/d               |           | S                                      |
| 557          | 2                 |           | w/d               |           | S                                      |
| 558          | 0                 |           | 0                 |           | S                                      |
| 559          | 0                 |           | 2                 |           | S                                      |
| 560          | 1                 |           | 1                 | w/d       | S                                      |



A6.10

| COUNTER CODE | Round 35 |           | Round 36 |           | Performance Category at 26/02/18 |
|--------------|----------|-----------|----------|-----------|----------------------------------|
|              | Score    | Follow-up | Score    | Follow-up |                                  |
| 561          | 2        |           | 3        | 0#        | S                                |
| 562          | 2        |           | 0        |           | S                                |
| 563          | 2        |           | w/d      |           | S                                |
| 564          | 0        |           | 0        |           | S                                |
| 565          | 2        |           | 0        |           | S                                |
| 566          | 0        |           | 2        |           | S                                |
| 567          | 0        |           | w/d      |           | S                                |
| 568          | 0        |           | 0        |           | S                                |
| 569          | 2        |           | w/d      |           | S                                |
| 570          | 3        |           | w/d      |           | Q                                |
| 571          | 2        |           | w/d      |           | S                                |
| 572          | 0        |           | w/d      |           | S                                |
| 573          | 0        |           | w/d      |           | S                                |
| 574          | 1        |           | w/d      |           | S                                |
| 575          | 0        |           | 0        |           | S                                |
| 576          | 2        |           | w/d      |           | S                                |
| 577          | 0        |           | w/d      |           | S                                |
| 578          | 0        |           | w/d      |           | S                                |
| 579          | 1        |           | 0        |           | S                                |
| 580          | 0        |           | 0        |           | S                                |
| 581          | 0        |           | w/d      |           | S                                |
| 582          | 1        |           | w/d      |           | S                                |
| 583          | 0        |           | 2        |           | S                                |
| 584          | 0        |           | w/d      |           | S                                |
| 585          | 0        |           | w/d      |           | S                                |
| 586          | 0        |           | 0        |           | S                                |
| 587          | 2        |           | w/d      |           | S                                |
| 588          | 0        |           | 0        |           | S                                |
| 589          | 1        |           | w/d      |           | S                                |
| 590          | 0        |           | 1        |           | S                                |
| 591          | 0        |           | 0        |           | S                                |
| 592          | 3        |           | w/d      |           | Q                                |
| 593          | 0        |           | w/d      |           | S                                |
| 594          | 0        |           | w/d      |           | S                                |
| 595          | 0        |           | w/d      |           | S                                |
| 596          | 1        |           | 2        |           | S                                |
| 597          | 8        | 0         | 1        |           | S                                |
| 598          | 2        |           | w/d      |           | S                                |
| 599          | 1        |           | w/d      |           | S                                |
| 600          | 0        |           | w/d      |           | S                                |
| 601          | 1        |           | w/d      |           | S                                |
| 602          | 0        |           | 1        | w/d       | S                                |
| 603          | 2        |           | 1        |           | S                                |
| 604          | 1        |           | 1        |           | S                                |
| 605          | 0        |           | 0        |           | S                                |
| 606          | 0        |           | 2        |           | S                                |
| 607          | *        |           | 2        |           | S                                |

A6.11

| COUNTER CODE | Round 35<br>Score | Follow-up | Round 36<br>Score | Follow-up | Performance<br>Category at<br>26/02/18 |
|--------------|-------------------|-----------|-------------------|-----------|--|
| 608          | 2                 |           | w/d               |           | S                                      |
| 609          | 0                 |           | 1                 |           | S                                      |
| 610          | *                 |           | 0                 | w/d       | S                                      |
| 611          | 1                 |           | 0                 |           | S                                      |
| 612          | 0                 |           | 0                 | w/d       | S                                      |
| 613          | 2                 |           | w/d               |           | S                                      |
| 614          | 2                 |           | 1                 | w/d       | S                                      |
| 616          | 2                 |           | 1                 |           | S                                      |
| 617          | 0                 |           | 0                 |           | S                                      |
| 618          | 0                 |           | 0                 |           | S                                      |
| 619          | 1                 |           | w/d               |           | S                                      |
| 620          | 2                 |           | w/d               |           | S                                      |
| 621          | 0                 |           | 1                 |           | S                                      |
| 622          | 2                 |           | 0                 |           | S                                      |
| 623          | 4                 |           | 5                 | w/d       | U                                      |
| 624          | 0                 |           | w/d               |           | S                                      |
| 625          | 1                 |           | w/d               |           | S                                      |
| 626          | 0                 |           | w/d               |           | S                                      |
| 627          | 0                 |           | 0                 | w/d       | S                                      |
| 628          | 1                 |           | w/d               |           | S                                      |
| 629          | 0                 |           | 0                 |           | S                                      |
| 630          | 2                 |           | w/d               |           | S                                      |
| 634          | 0                 |           | 0                 |           | S                                      |
| 636          | 1                 |           | w/d               |           | S                                      |
| 637          | 1                 |           | w/d               |           | S                                      |
| 638          | 5                 | 1         | w/d               |           | Q                                      |
| 639          | 1                 |           | 0                 |           | S                                      |
| 640          | 0                 |           | 0                 |           | S                                      |
| 641          | 0                 |           | +                 |           | S                                      |
| 642          | 0                 |           | 0                 |           | S                                      |
| 643          | 0                 |           | 0                 |           | S                                      |
| 644          | 1                 |           | w/d               |           | S                                      |
| 645          | 1                 |           | w/d               |           | S                                      |
| 646          | 0                 |           | w/d               |           | S                                      |
| 647          | 0                 |           | w/d               |           | S                                      |
| 649          | 4                 |           | w/d               |           | U                                      |
| 650          | 0                 |           | w/d               |           | S                                      |
| 651          | 2                 |           | w/d               |           | S                                      |
| 652          | 1                 |           | 0                 |           | S                                      |
| 653          | 0                 |           | w/d               |           | S                                      |
| 654          | 0                 |           | w/d               |           | S                                      |
| 655          | 0                 |           | 0                 |           | S                                      |
| 656          | 0                 |           | 0                 |           | S                                      |
| 657          | 0                 |           | 0                 |           | S                                      |
| 658          | 2                 |           | 0                 |           | S                                      |
| 660          | *                 |           | 1                 |           | S                                      |
| 661          | 0                 |           | 2                 |           | S                                      |

A6.12

| COUNTER CODE | Round 35 |           | Round 36 |           | Performance Category at 26/02/18 |
|--------------|----------|-----------|----------|-----------|----------------------------------|
|              | Score    | Follow-up | Score    | Follow-up |                                  |
| 662          | 1        |           | w/d      |           | S                                |
| 664          | 1        |           | w/d      |           | S                                |
| 665          | 0        |           | 2        |           | S                                |
| 666          | 1        |           | 0        |           | S                                |
| 667          | 3        |           | 1        |           | S                                |
| 668          | 1        |           | 1        |           | S                                |
| 669          | 0        |           | 0        |           | S                                |
| 670          | 0        |           | w/d      |           | S                                |
| 671          | 0        |           | w/d      |           | S                                |
| 672          | 0        |           | 0        |           | S                                |
| 673          | 0        |           | 0        |           | S                                |
| 674          | 0        |           | 0        |           | S                                |
| 675          | 0        |           | 1        |           | S                                |
| 676          | 1        |           | 3        |           | Q                                |
| 677          | 1        |           | 0        |           | S                                |
| 678          | 2        |           | 11       |           | U                                |
| 679          | 0        |           | 2        |           | S                                |
| 680          | 2        |           | w/d      |           | S                                |
| 681          | 1        |           | w/d      |           | S                                |
| 682          | 5        |           | 1        | 0#        | S                                |
| 683          | 1        |           | w/d      |           | S                                |
| 684          | 1        |           | 0        |           | S                                |
| 685          | 0        |           | 0        |           | S                                |
| 686          | 1        |           | w/d      |           | S                                |
| 687          | 0        |           | w/d      |           | S                                |
| 688          | 0        |           | w/d      |           | S                                |
| 689          | 0        |           | 3        |           | Q                                |
| 690          | 3        |           | 0        | w/d       | S                                |
| 691          | *        |           | 0        |           | S                                |
| 693          | 1        |           | 2        |           | S                                |
| 695          | 1        |           | w/d      |           | S                                |
| 696          | 0        |           | w/d      |           | S                                |
| 697          | 1        |           | 3        |           | Q                                |
| 698          | 0        |           | 0        |           | S                                |
| 699          | 0        |           | 2        |           | S                                |
| 700          | 0        |           | 0        |           | S                                |
| 701          | 1        |           | 0        |           | S                                |
| 703          | 2        |           | w/d      |           | S                                |
| 703          | *        |           | 0        |           | S                                |
| 704          | 0        |           | w/d      |           | S                                |
| 705          | 0        |           | 0        |           | S                                |
| 706          | 8        |           | w/d      |           | U                                |
| 707          | 1        |           | w/d      |           | S                                |
| 708          | 0        |           | 0        |           | S                                |
| 709          | 1        |           | w/d      |           | S                                |
| 710          | 1        |           | w/d      |           | S                                |
| 711          | *        |           | 0        |           | S                                |

A6.13

| COUNTER CODE | Round 35 |           | Round 36 |           | Performance Category at 26/02/18 |
|--------------|----------|-----------|----------|-----------|----------------------------------|
|              | Score    | Follow-up | Score    | Follow-up |                                  |
| 712          | 0        |           | w/d      |           | S                                |
| 713          | *        |           | 0        |           | S                                |
| 714          | 1        |           | w/d      |           | S                                |
| 715          | 2        |           | 0        |           | S                                |
| 716          | 0        |           | w/d      |           | S                                |
| 717          | 2        |           | 1        |           | S                                |
| 718          | *        |           | 0        |           | S                                |
| 719          | *        |           | 2        |           | S                                |
| 720          | *        |           | 1        |           | S                                |
| 721          | *        |           | 1        |           | S                                |
| 722          | *        |           | 0        |           | S                                |
| 723          | *        |           | 0        |           | S                                |
| 725          | *        |           | 8        |           | U                                |
| 726          | *        |           | 0        | 0#        | S                                |
| 727          | *        |           | 0        |           | S                                |
| 728          | *        |           | 0        |           | S                                |
| 729          | *        |           | 0        |           | S                                |
| 731          | *        |           | 0        |           | S                                |
| 732          | *        |           | 0        |           | S                                |
| 733          | *        |           | 0        | w/d       | S                                |
| 735          | *        |           | 0        |           | S                                |
| 736          | *        |           | 0        |           | S                                |
| 738          | *        |           | 0        |           | S                                |
| 739          | *        |           | 0        |           | S                                |
| 740          | *        |           | 0        |           | S                                |
| 741          | *        |           | 0        |           | S                                |
| 742          | *        |           | 0        |           | S                                |
| 743          | *        |           | 1        |           | S                                |
| 744          | *        |           | 0        |           | S                                |
| 745          | *        |           | 1        |           | S                                |
| 746          | *        |           | 1        | w/d       | S                                |
| 747          | *        |           | 2        |           | S                                |
| 748          | *        |           | 1        |           | S                                |
| 749          | *        |           | 0        |           | S                                |
| 750          | *        |           | 2        |           | S                                |
| 751          | *        |           | 1        |           | S                                |
| 752          | *        |           | 1        |           | S                                |
| 753          | *        |           | 0        |           | S                                |
| 754          | *        |           | 0        |           | S                                |
| 755          | *        |           | 1        | w/d       | S                                |
| 756          | *        |           | 0        |           | S                                |
| 757          | *        |           | 0        |           | S                                |
| 758          | *        |           | 1        |           | S                                |
| 759          | *        |           | 1        |           | S                                |
| 761          | *        |           | 2        |           | S                                |
| 762          | *        |           | 0        |           | S                                |
| 763          | *        |           | 2        |           | S                                |

A6.14

| COUNTER CODE | Round 35<br>Score | Follow-up | Round 36<br>Score | Follow-up | Performance<br>Category at<br>26/02/18 |
|--------------|-------------------|-----------|-------------------|-----------|--|
| 764          | *                 |           | 1                 |           | S                                      |
| 765          | *                 |           | 5                 | 3         | U                                      |
| 766          | *                 |           | 0                 |           | S                                      |
| 767          | *                 |           | 0                 |           | S                                      |
| 768          | *                 |           | 0                 |           | S                                      |
| 769          | *                 |           | 0                 |           | S                                      |
| 770          | *                 |           | 2                 |           | S                                      |
| 771          | *                 |           | 2                 |           | S                                      |
| 773          | *                 |           | 3                 |           | Q                                      |
| 774          | *                 |           | 2                 |           | S                                      |
| 775          | *                 |           | 1                 |           | S                                      |
| 776          | *                 |           | 0                 |           | S                                      |
| 777          | *                 |           | 4                 | 0, 0#     | S                                      |
| 778          | *                 |           | 0                 |           | S                                      |
| 779          | *                 |           | 0                 |           | S                                      |
| 780          | *                 |           | 0                 |           | S                                      |
| 781          | *                 |           | 0                 |           | S                                      |
| 782          | *                 |           | 2                 |           | S                                      |
| 783          | *                 |           | 0                 |           | S                                      |
| 784          | *                 |           | 1                 |           | S                                      |
| 785          | *                 |           | 1                 |           | S                                      |
| 786          | *                 |           | 0                 |           | S                                      |
| 787          | *                 |           | 0                 |           | S                                      |
| 790          | *                 |           | 0                 | 0#        | S                                      |
| 791          | *                 |           | 0                 | w/d       | S                                      |
| 792          | *                 |           | 0                 |           | S                                      |
| 793          | *                 |           | 0                 |           | S                                      |
| 794          | *                 |           | 2                 |           | S                                      |
| 795          | *                 |           | 1                 |           | S                                      |
| 796          | *                 |           | 2                 |           | S                                      |
| 797          | *                 |           | 1                 | w/d       | S                                      |
| 798          | *                 |           | 2                 |           | S                                      |
| 799          | *                 |           | 1                 |           | S                                      |
| 800          | *                 |           | 0                 |           | S                                      |
| 801          | *                 |           | 2                 |           | S                                      |
| 802          | *                 |           | 3                 | 0#        | S                                      |
| 803          | *                 |           | 0                 |           | S                                      |
| 804          | *                 |           | 1                 |           | S                                      |
| 805          | *                 |           | 1                 |           | S                                      |
| 806          | *                 |           | 0                 |           | S                                      |
| 807          | *                 |           | 0                 |           | S                                      |
| 808          | *                 |           | +                 |           | +                                      |
| 809          | *                 |           | 0                 |           | S                                      |
| 810          | *                 |           | 0                 |           | S                                      |
| 811          | *                 |           | 3                 | 2#        | S                                      |
| 815          | *                 |           | 0                 |           | S                                      |
| 816          | *                 |           | 0                 |           | S                                      |

A6.15

| COUNTER CODE | Round 35 |           | Round 36 |           | Performance Category at 26/02/18 |
|--------------|----------|-----------|----------|-----------|----------------------------------|
|              | Score    | Follow-up | Score    | Follow-up |                                  |
| 817          | *        |           | 2        |           | S                                |
| 818          | *        |           | 0        |           | S                                |
| 819          | *        |           | 1        |           | S                                |
| 820          | *        |           | 0        |           | S                                |
| 821          | *        |           | 0        |           | S                                |
| 822          | *        |           | 0        |           | S                                |
| 823          | *        |           | 1        |           | S                                |
| 824          | *        |           | 0        |           | S                                |
| 825          | *        |           | 0        |           | S                                |
| 827          | *        |           | 0        |           | S                                |
| 828          | *        |           | 0        |           | S                                |
| 829          | *        |           | 0        |           | S                                |
| 830          | *        |           | 1        | w/d       | S                                |
| 831          | *        |           | 1        | w/d       | S                                |
| 832          | *        |           | 0        |           | S                                |
| 833          | *        |           | 0        |           | S                                |
| 835          | *        |           | 0        |           | S                                |
| 836          | *        |           | 0        |           | S                                |
| 837          | *        |           | 0        |           | S                                |
| 838          | *        |           | 0        |           | S                                |
| 839          | *        |           | 0        |           | S                                |
| 840          | *        |           | 1        |           | S                                |
| 841          | *        |           | 2        |           | S                                |
| 842          | *        |           | 0        |           | S                                |
| 843          | *        |           | 2        |           | S                                |
| 844          | *        |           | 1        |           | S                                |
| 845          | *        |           | 0        |           | S                                |
| 846          | *        |           | 0        |           | S                                |
| 848          | *        |           | 6        | 1, 1#     | S                                |
| 849          | *        |           | 0        |           | S                                |
| 850          | *        |           | 1        |           | S                                |
| 851          | *        |           | 4        |           | U                                |
| 852          | *        |           | 0        |           | S                                |
| 853          | *        |           | 0        |           | S                                |
| 854          | *        |           | 0        |           | S                                |
| 856          | *        |           | 0        |           | S                                |
| 857          | *        |           | 0        |           | S                                |
| 858          | *        |           | 0        |           | S                                |
| 859          | *        |           | 0        |           | S                                |
| 860          | *        |           | 2        |           | S                                |
| 861          | *        |           | 2        |           | S                                |
| 862          | *        |           | 1        |           | S                                |
| 863          | *        |           | 0        |           | S                                |
| 864          | *        |           | 2        |           | S                                |
| 865          | *        |           | 1        |           | S                                |
| 866          | *        |           | 0        |           | S                                |
| 867          | *        |           | 0        |           | S                                |

A6.16

| COUNTER CODE | Round 35 |           | Round 36 |           | Performance Category at 26/02/18 |
|--------------|----------|-----------|----------|-----------|----------------------------------|
|              | Score    | Follow-up | Score    | Follow-up |                                  |
| 868          | *        |           | 4        |           | U                                |
| 869          | *        |           | 2        |           | S                                |
| 870          | *        |           | 0        |           | S                                |
| 871          | *        |           | 1        |           | S                                |
| 872          | *        |           | 0        |           | S                                |
| 873          | *        |           | 0        |           | S                                |
| 874          | *        |           | 0        |           | S                                |
| 875          | *        |           | 0        |           | S                                |
| 876          | *        |           | 2        |           | S                                |
| 877          | *        |           | 2        |           | S                                |
| 878          | *        |           | 0        |           | S                                |
| 879          | *        |           | 1        |           | S                                |
| 880          | *        |           | 0        |           | S                                |
| 881          | *        |           | 0        |           | S                                |
| 882          | *        |           | 2        |           | S                                |
| 883          | *        |           | 0        |           | S                                |
| 884          | *        |           | 0        |           | S                                |
| 885          | *        |           | 1        |           | S                                |
| 886          | *        |           | 0        |           | S                                |
| 888          | *        |           | 0        |           | S                                |
| 890          | *        |           | 0        |           | S                                |
| 892          | *        |           | 0        |           | S                                |
| 893          | *        |           | 1        |           | S                                |
| 894          | *        |           | 4        | 7         | U                                |
| 895          | *        |           | 1        |           | S                                |
| 896          | *        |           | 1        |           | S                                |
| 897          | *        |           | 0        |           | S                                |
| 898          | *        |           | 0        |           | S                                |
| 899          | *        |           | 0        |           | S                                |
| 900          | *        |           | 1        |           | S                                |
| 901          | *        |           | 0        |           | S                                |
| 902          | *        |           | 0        |           | S                                |
| 903          | *        |           | 3        | 0#        | S                                |
| 904          | *        |           | 0        |           | S                                |
| 905          | *        |           | 0        |           | S                                |
| 906          | *        |           | 2        |           | S                                |
| 907          | *        |           | 0        |           | S                                |
| 908          | *        |           | 0        |           | S                                |
| 909          | *        |           | 1        |           | S                                |
| 910          | *        |           | 2        |           | S                                |
| 911          | *        |           | 3        |           | Q                                |
| 912          | *        |           | 0        |           | S                                |
| 913          | *        |           | 0        |           | S                                |
| 914          | *        |           | 0        |           | S                                |
| 915          | *        |           | 0        |           | S                                |
| 916          | *        |           | 1        |           | S                                |
| 917          | *        |           | 0        |           | S                                |

**A6.17**

| COUNTER CODE | Round 35 |           | Round 36 |           | Performance Category at 26/02/18 |
|--------------|----------|-----------|----------|-----------|----------------------------------|
|              | Score    | Follow-up | Score    | Follow-up |                                  |
| 918          | *        |           | 0        |           | S                                |
| 919          | *        |           | 0        |           | S                                |
| 920          | *        |           | 0        |           | S                                |
| 921          | *        |           | 0        |           | S                                |
| 922          | *        |           | 0        |           | S                                |
| 923          | *        |           | 0        |           | S                                |
| 924          | *        |           | 0        |           | S                                |
| 925          | *        |           | 0        |           | S                                |
| 927          | *        |           | 0        |           | S                                |
| 928          | *        |           | 0        |           | S                                |
| 929          | *        |           | 0        |           | S                                |
| 930          | *        |           | 0        |           | S                                |
| 931          | *        |           | 0        |           | S                                |
| 932          | *        |           | 0        |           | S                                |
| 933          | *        |           | 1        |           | S                                |
| 934          | *        |           | 1        |           | S                                |
| 935          | *        |           | +        |           | +                                |
| 936          | *        |           | 0        |           | S                                |
| 937          | *        |           | 0        |           | S                                |
| 938          | *        |           | 0        |           | S                                |
| 939          | *        |           | 0        | 0#        | S                                |
| 940          | *        |           | 5        | 1         | Q                                |
| 941          | *        |           | 0        |           | S                                |
| 942          | *        |           | 2        |           | S                                |

**\*Note:** Performance categories for Counter Codes 450 and 455 are marked as 'unsatisfactory' despite obtaining scores of (3, 0) and (3, w/d) respectively in this cycle. These counters were classified as unsatisfactory at the conclusion of the Round 34/35 cycle (due to consecutive total scores of 3), hence require a further score of 0-2 for their next set of slides (Round 37) before their performance can be considered satisfactory.



## A7.1

### SUMMARY OF COUNTER PERFORMANCE

A total of 748 different counters took part in either Rounds 35 and/or 36.

Of these, 642 were Australian and 106 were from overseas (Hong Kong, New Zealand and United Arab Emirates).

The total number of participations (i.e. the number of sets of six slides counted) in Rounds 35 and 36 (including follow-up) was 1089.

A total of 509 counters took part in Round 35 of which 12 (2.4%) obtained a score of 4 or more for their initial routine round. Six counters took part in a follow-up round (due to their unsatisfactory score in the initial round), while a further 1 set of "special follow-up" slides were issued (i.e. additional follow-up at the participant's request). In addition, 10 counters (2.0%) obtained a score of "3" for their routine round (which is a 'questionable' total score).

A total of 552 counters took part in Round 36 of which 15 (2.7%) obtained a score of 4 or more for their routine round. Ten of the latter counters were issued follow-up slides. A further 14 sets of "special follow-up" slides were issued (i.e. additional follow-up at the participant's request). In addition, 14 counters (2.5%) obtained a score of "3" for their routine round (which is a 'questionable' total score).

It should be noted that Round 36 results for 6 counters were not available at the time of printing this report.

At the conclusion of Round 36, 95.5% of counters were classified as "satisfactory", 2.4% were "questionable" and 1.6% "unsatisfactory". The performance category for 4 counters was "unclassified" due to Round 36 results being unavailable at the time of printing this report (and they were not involved in Round 35).

During this cycle (i.e. Rounds 35 and 36) there were 361 new enrolments in the program, and 219 withdrawals. It should be noted that many of the withdrawals and new enrolments are the same individuals, as they move from one organisation to another. In addition, counters marked as "withdrawn" may have completely withdrawn from the program, or have been temporarily withdrawn (i.e. from that particular round).

N.B. The performance category of all counters will be reviewed after Round 37 which will be completed by December 2018. This review will take into account the performance in the last two consecutive rounds, i.e. Rounds 36 and 37.

◆————— END OF REPORT —————◆