

Report to CASA following successful sponsorship of the Australian Piper Society

The Event

The Australian Piper Society (APS) ran a Pilot Proficiency Programme (PPP) at Mildura on 27/10/2017 – 29/10/2017 in Mildura

Mildura Pilot Proficiency Programme

The Mildura PPP theme was Flying in Remote Locations and Landing on Bush Strips. This was offered to APS members while a second ground course was offered to partners of members, covering basics of flying

Topics covered in the members' ground course included:

- Preparation for the trip
 - o Intended locations to visit
 - o Intended landing locations
 - o Fuel availability
 - o What to take
 - Spare parts
 - Tools
 - Safety equipment
 - Provisions
 - o Handling emergency situations such as engine failure

APS also offered an optional flying component to both members and member partners. Both flying components were conducted with a suitably qualified instructor.

Members flying component focused on landing at an unplanned bush strip.

For this purpose, the nearby Wentworth airstrip was used.

Members flew to Wentworth, entering the circuit, setting up for a Precautionary Search.

The procedure involved:

- Setting the aircraft up for slow, low flying
- Pinpointing turning points on the circuit
- First pass for the general suitability of the proposed landing area
- Second pass to determine length suitability, the surface, the shape etc

- Third low level pass to ascertain the suitability of the actual landing surface
- Finally a short field landing and then short field take off

Member Partners flying component:

Whilst the content was based around the scenario of pilot incapacitation, it was emphasised at the outset that pilot incapacitation is an extremely rare occurrence, and the underlying aim of the program is to help the participants become more comfortable and at ease in the cockpit, become more involved in the flight, and be a useful resource to the pilot.

The learning objectives of the program are to deliver a greater understanding of how to:

- **Aviate** (Control the aeroplane in flight and make a safe landing);
- **Navigate** (to a suitable aerodrome); and
- **Communicate** (via the radio, transponder and ELT).

Topics covered were:

- Aerodynamic principles of flight
- Aircraft controls
- Aircraft instruments
- Controlling the aircraft in straight & level flight, climbs, descents and turns.
- Navigation via GNSS "Direct-To" function
- Communication
- Circuit, approach and landing

Partners were also offered a brief demonstration flight, where an instructor flew the aircraft and pointed out various aspects covered in the ground course.

Demonstrated were:

- Speeds, power settings and visual cues for take-off, climb, straight & level, turns, and en-route descent;
- Use of radio, transponder and ELT;
- Use of GNSS "Direct-to" function;
- Speeds, power settings and visual cues for circuit, approach and landing.

Attendees

Twenty two members and 9 partners attended the event, in 17 aircraft.

Members came from Cairns, Toowoomba, Roma, Sydney, Orange, Lillydale, , Devenport, Cobden, Moorabbin, Bendigo, and Ballarat

Feedback

Members all agreed it was a very worthwhile experience, given that many also have or want to attend APS organised flyaways in the next 12 months. Many of these flyaways involve flying in remote locations.

Partners, while some were a little apprehensive during the flying component, all agreed it better prepared them for trips in the future.

Reciprocal benefit to CASA

The APS acknowledged CASA sponsorship of the event through mentions by our president and course presenters.

CASA was also acknowledged as a sponsor on the cover of the course workbook (copy attached).

We also distributed the CASA resource kit, Communication, Navigation, Surveillance/Air Traffic Management.

The Australian Piper Society thanks CASA for its support of this event, and naturally we would like to see future support so we can offer such course to our members in the future.

APS – MILDURA Pilot Proficiency Program 27-29th October 2017

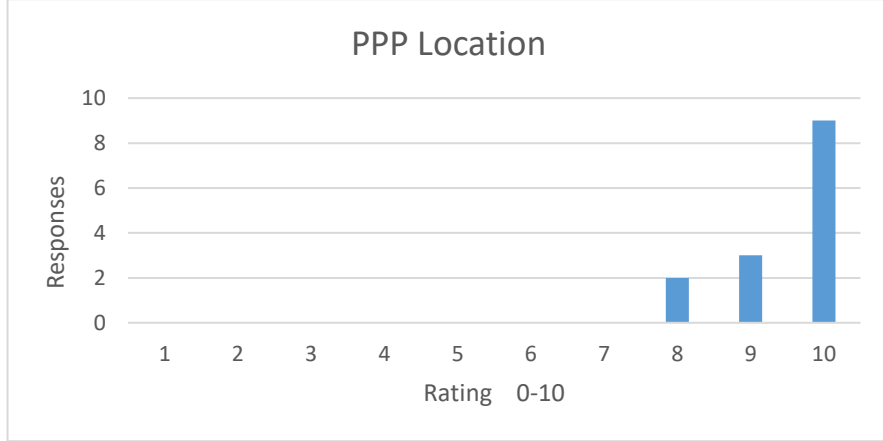
PILOT FEEDBACK

GROUND SCHOOL - PPP

**Location
(Mildura Aero Club)**

N = 17
(surveyed)

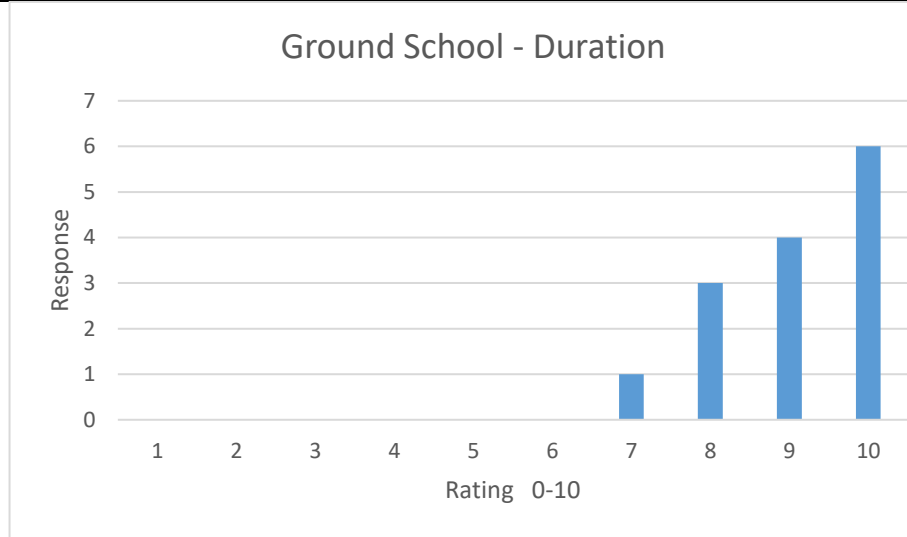
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Duration

N = 17

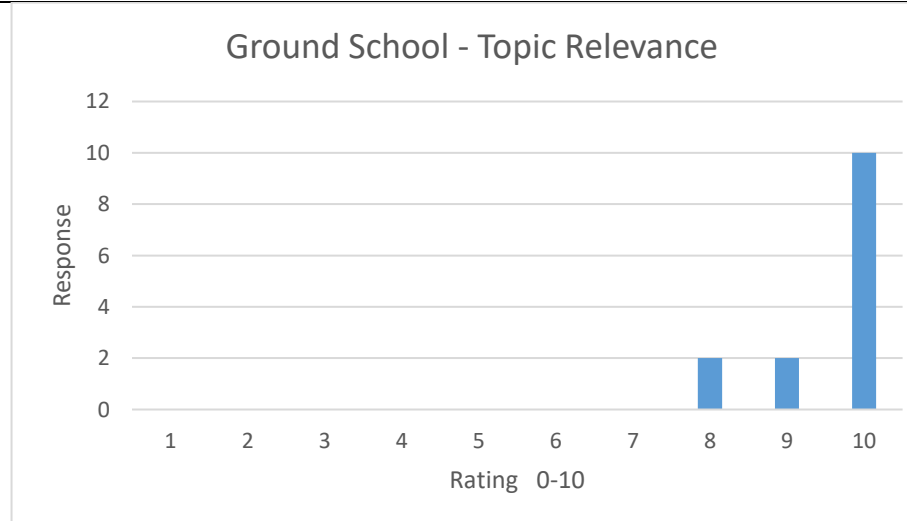
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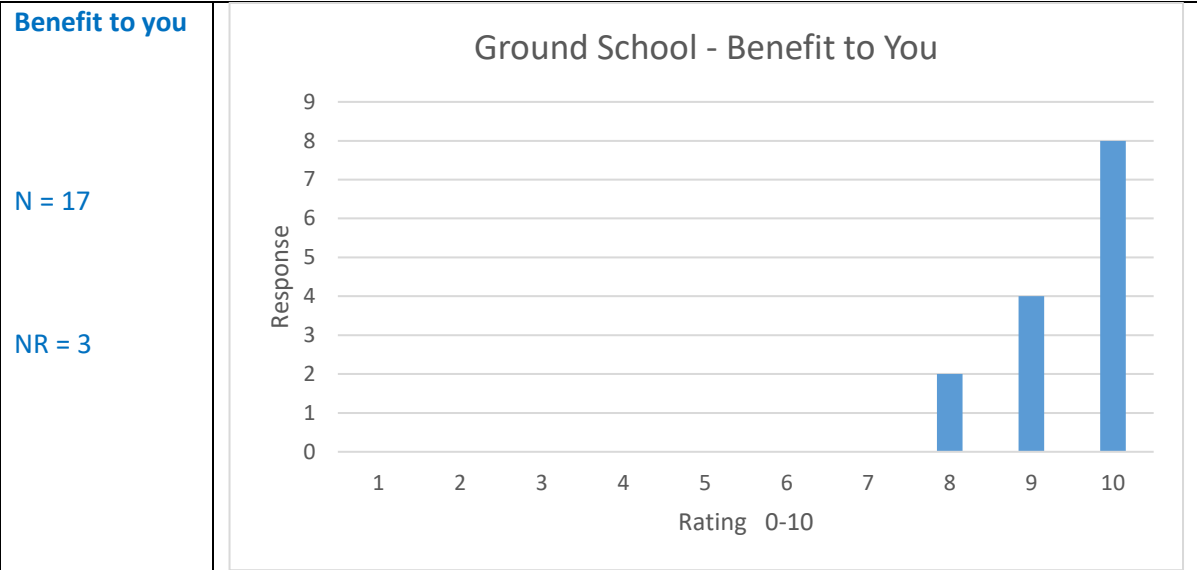


Topic Relevance

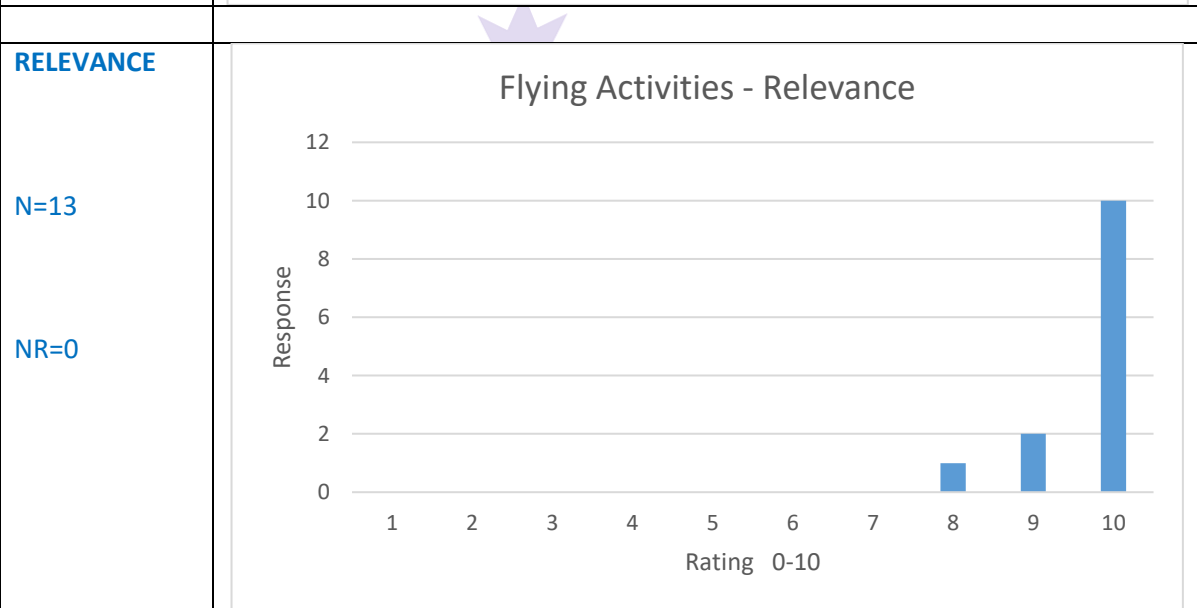
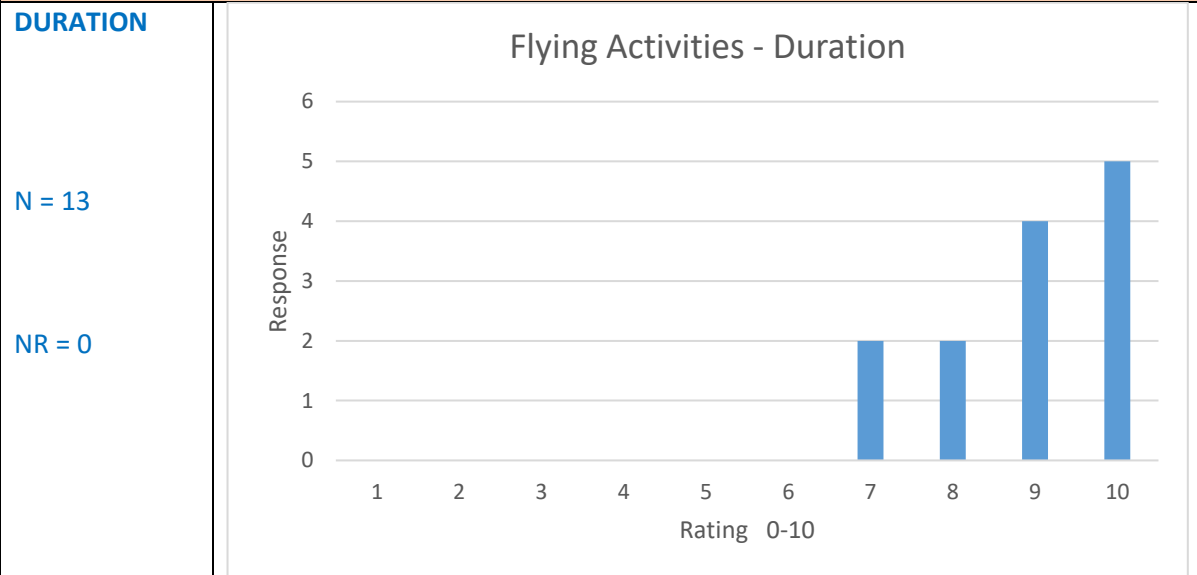
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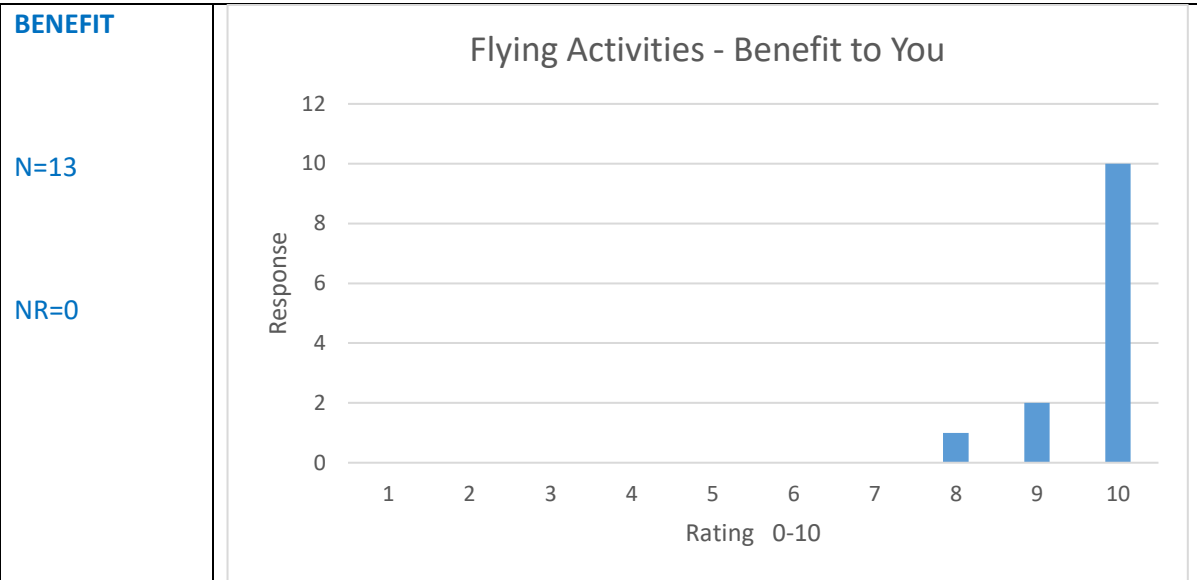
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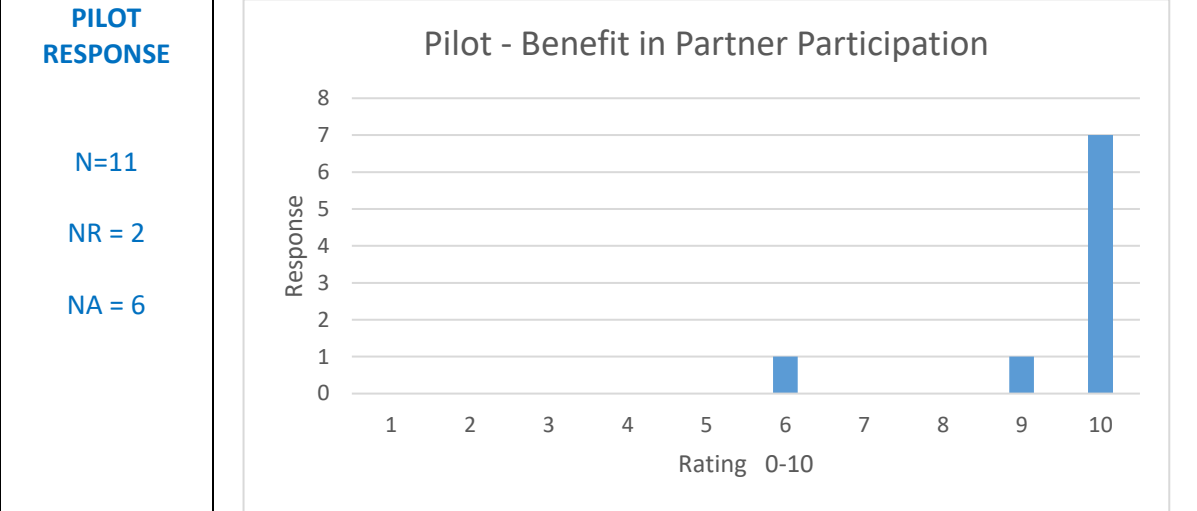
PPP - FLYING COMPONENT





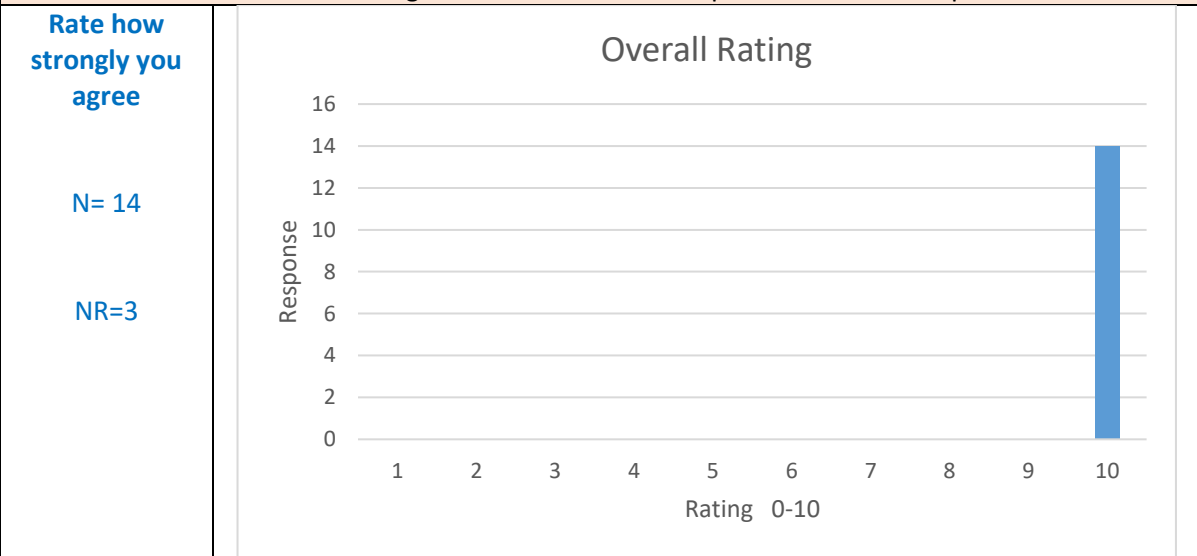
PARTNERS in FLIGHT


As a pilot, rate the benefit in your non-qualified flying partner completing this program?



PPP OVERALL

APS PPP's are designed to make me a more proficient and safer pilot:



Would you recommend PPP's to other pilots?																							
<p>RECOMMENDATION</p> <p>N=17</p> <p>NR=3</p>	<p>RECOMMEND PPP ?</p>  <table border="1"> <caption>RECOMMEND PPP ? Data</caption> <thead> <tr> <th>Rating</th> <th>Response Count</th> </tr> </thead> <tbody> <tr><td>1</td><td>0</td></tr> <tr><td>2</td><td>0</td></tr> <tr><td>3</td><td>0</td></tr> <tr><td>4</td><td>0</td></tr> <tr><td>5</td><td>0</td></tr> <tr><td>6</td><td>0</td></tr> <tr><td>7</td><td>0</td></tr> <tr><td>8</td><td>0</td></tr> <tr><td>9</td><td>0</td></tr> <tr><td>10</td><td>17</td></tr> </tbody> </table> <p>Rating 0-10</p>	Rating	Response Count	1	0	2	0	3	0	4	0	5	0	6	0	7	0	8	0	9	0	10	17
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Comments/Suggestions;

- I have not attended any PPP where I have not learnt anything about flying. Generally my proficiency, my aircraft, safety, hints and tips and learn from general discussion with peers and instructors.
- As a student pilot, I found this program very useful and informative. Fantastic hospitality from Mildura Aero Club
- The APS PPP continues to be a very valuable program for maintaining my flight safety awareness and developing my flying skills
- I would be happy to have the full weekend of the program. Otherwise I think it is great and this one was very well organised, ran smoothly and I learnt a lot.
- The PPP gives us an opportunity to focus on particular safety procedures which need refreshing
- I've done quite a few PPP's in the past and would like a new focus, but appreciate that does not suit first timers.
- Weather related flying – interpretation of weather and flight planning. LAME – discussion on aircraft preservation (looking after all systems)
- Bringing individual pilot's real life experiences into the sessions is good – so long as it doesn't take over from the instructor's role. Support from Mildura Aero Club was superb.
- The PPP represents the best combination of education with social interaction. Add to it the flying component with an experienced instructor and we have a perfect trifecta.



APS – MILDURA Pilot Proficiency Program 27-29th October 2017

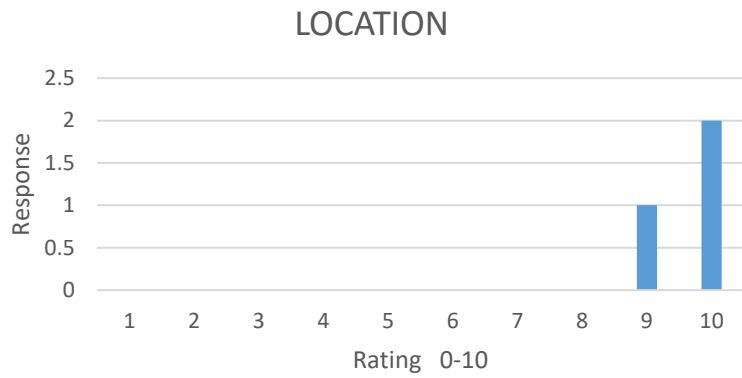
PARTNERS in FLIGHT

GROUND SCHOOL - PPP

Location
(Mildura Aero Club)

N = 7
(surveyed)

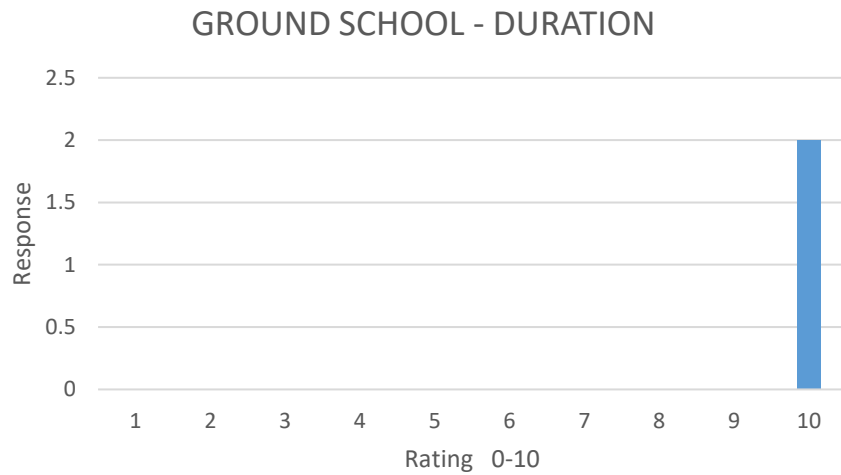
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Duration

N = 7

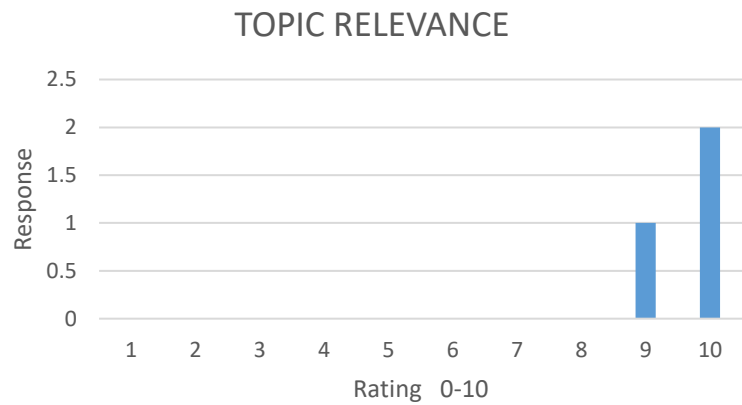
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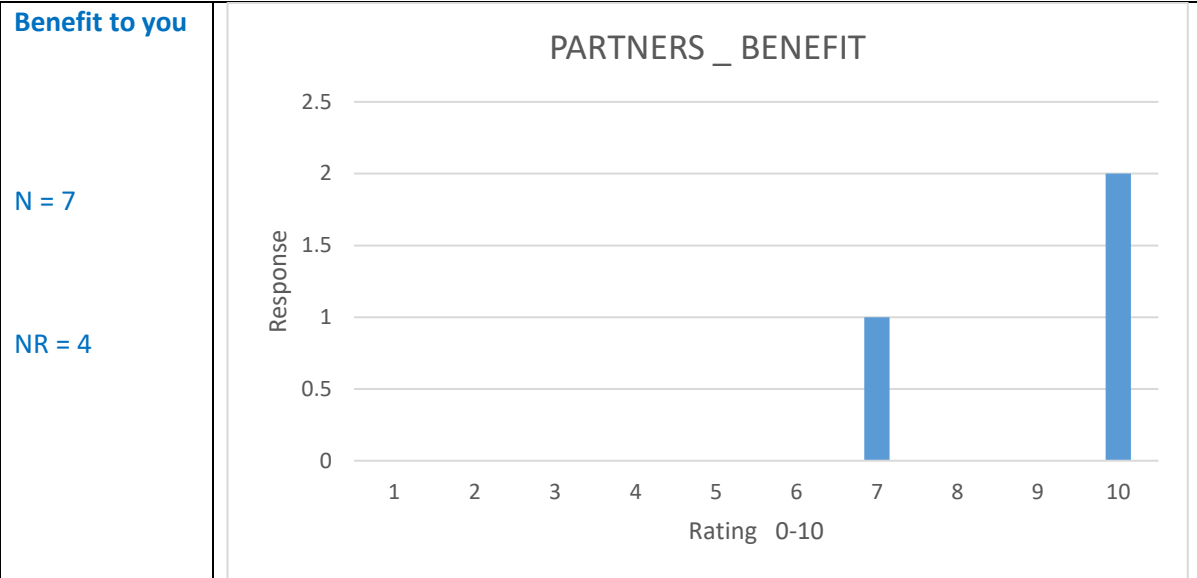


Topic Relevance

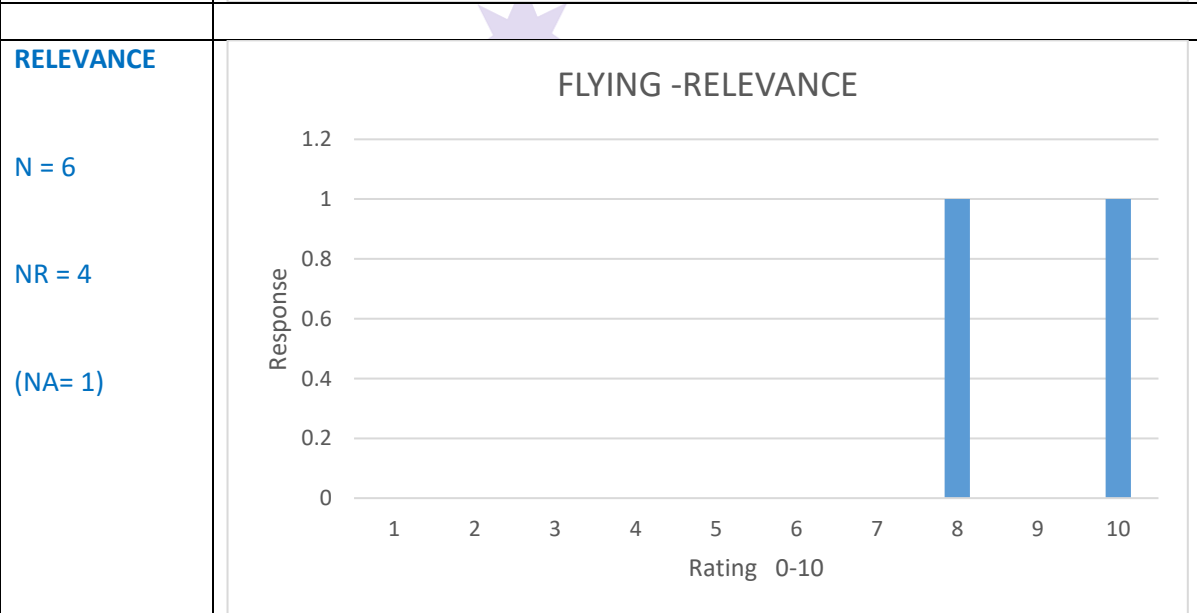
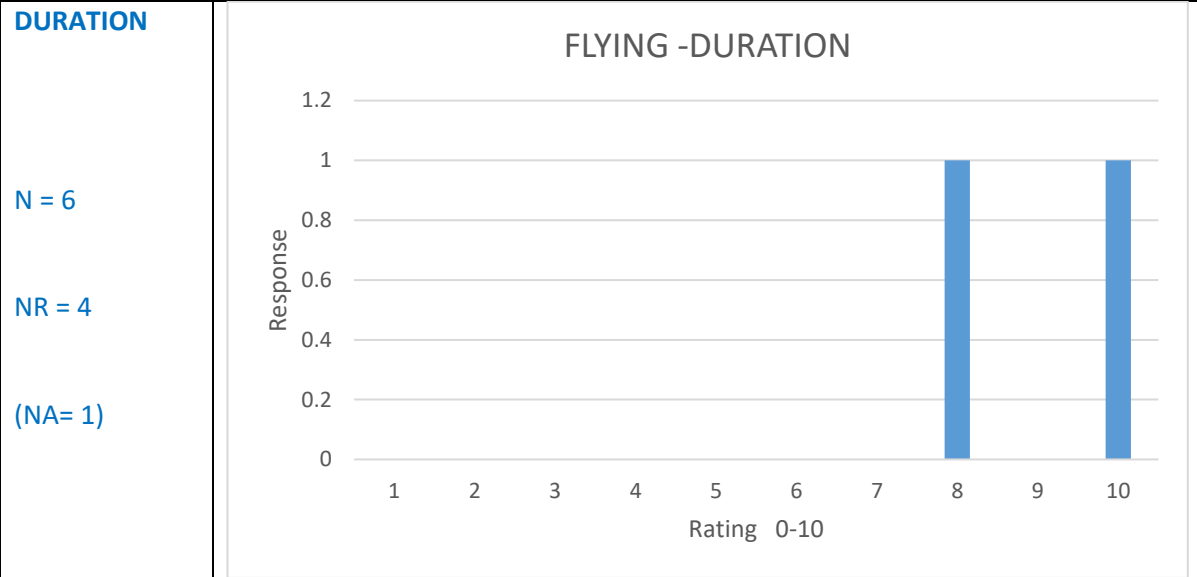
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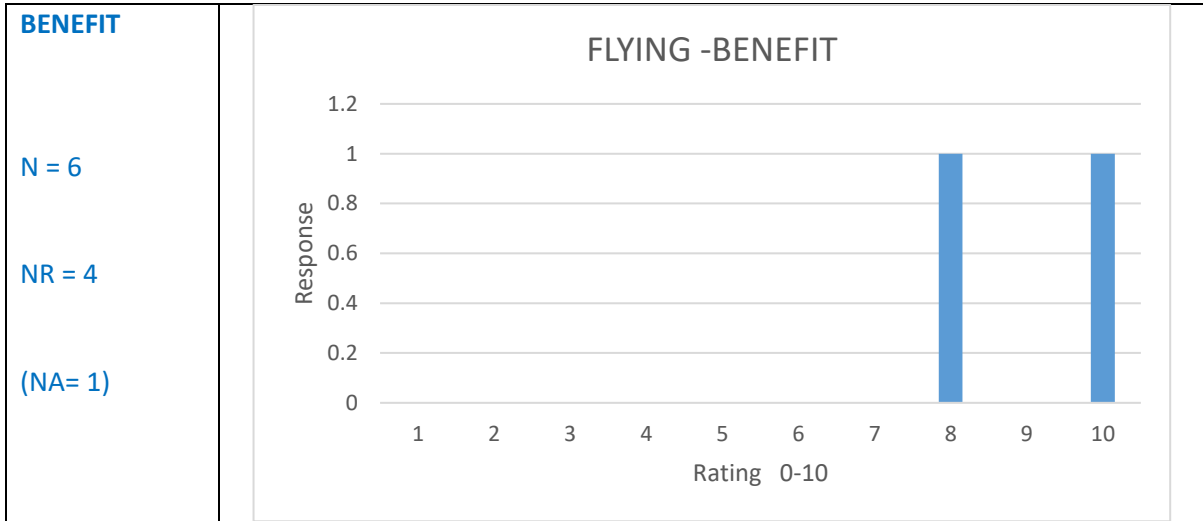
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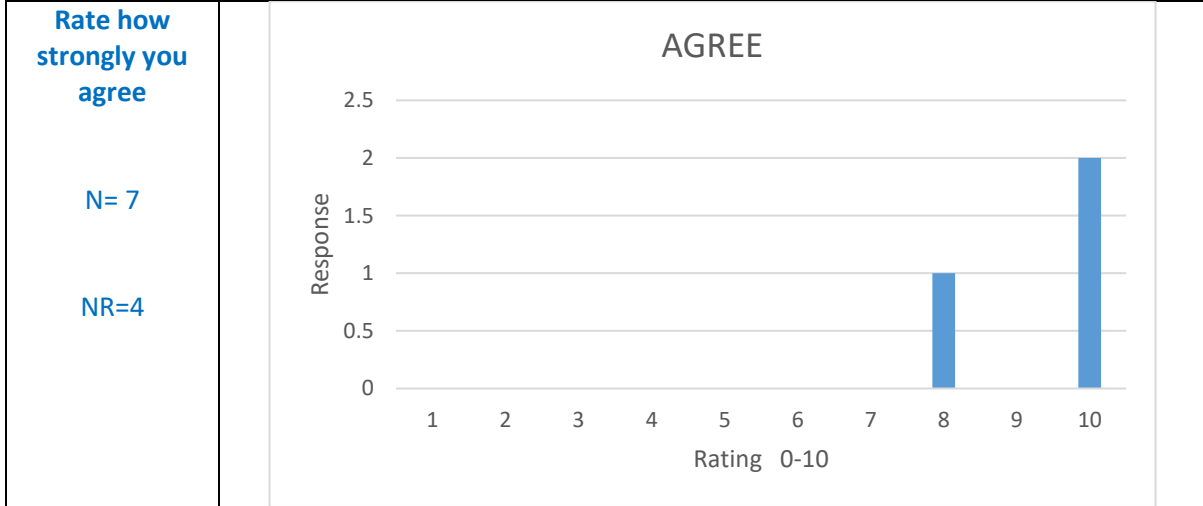
PARTNERS - FLYING COMPONENT



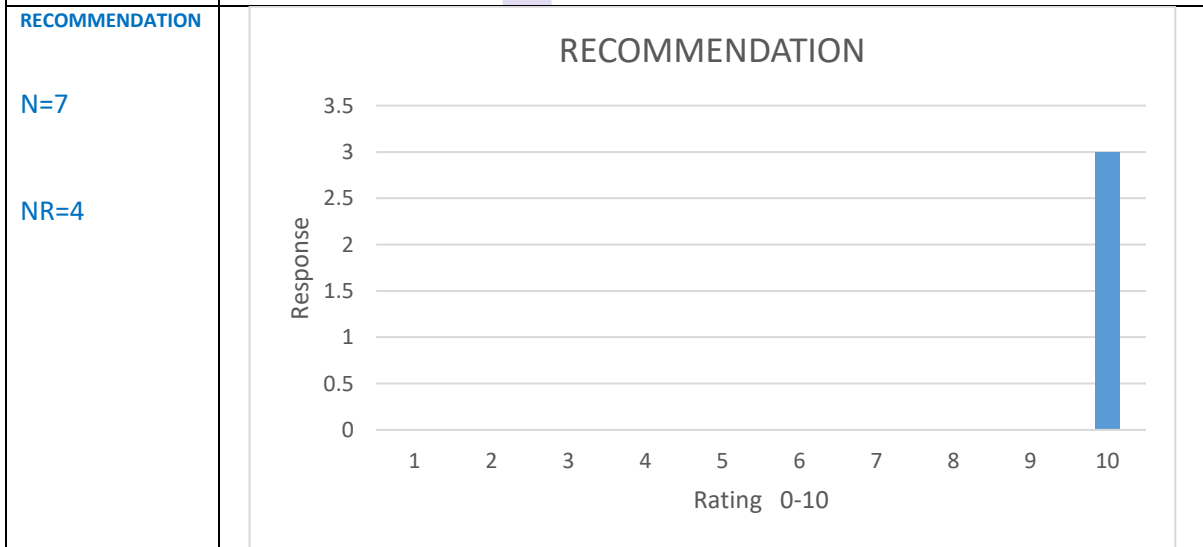


PARTNERS in FLIGHT OVERALL

APS Partners in Flight Program has 'helped me become more comfortable and at ease in the cockpit, has taught me how to be an active participant in the flight along with being a useful resource to the pilot'



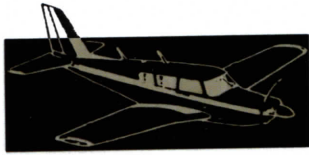
How likely are you recommend The Partners in Flight Program to others?



Comments/Suggestions;

- Would take part again
- The “Partners in flight” is a very worthwhile addition to the PPP program. The course material is a good reference resource.
- As a partner it makes me more aware of what goes on in the cockpit. If I only learn to help the pilot with a few smaller jobs that makes me a very happy co pilot.





COURSE NOTES

Piper Pilot Proficiency Programme
Mildura, October 2017

Proudly sponsored by:



Australian Government
Civil Aviation Safety Authority



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