

WORKING GROUPS

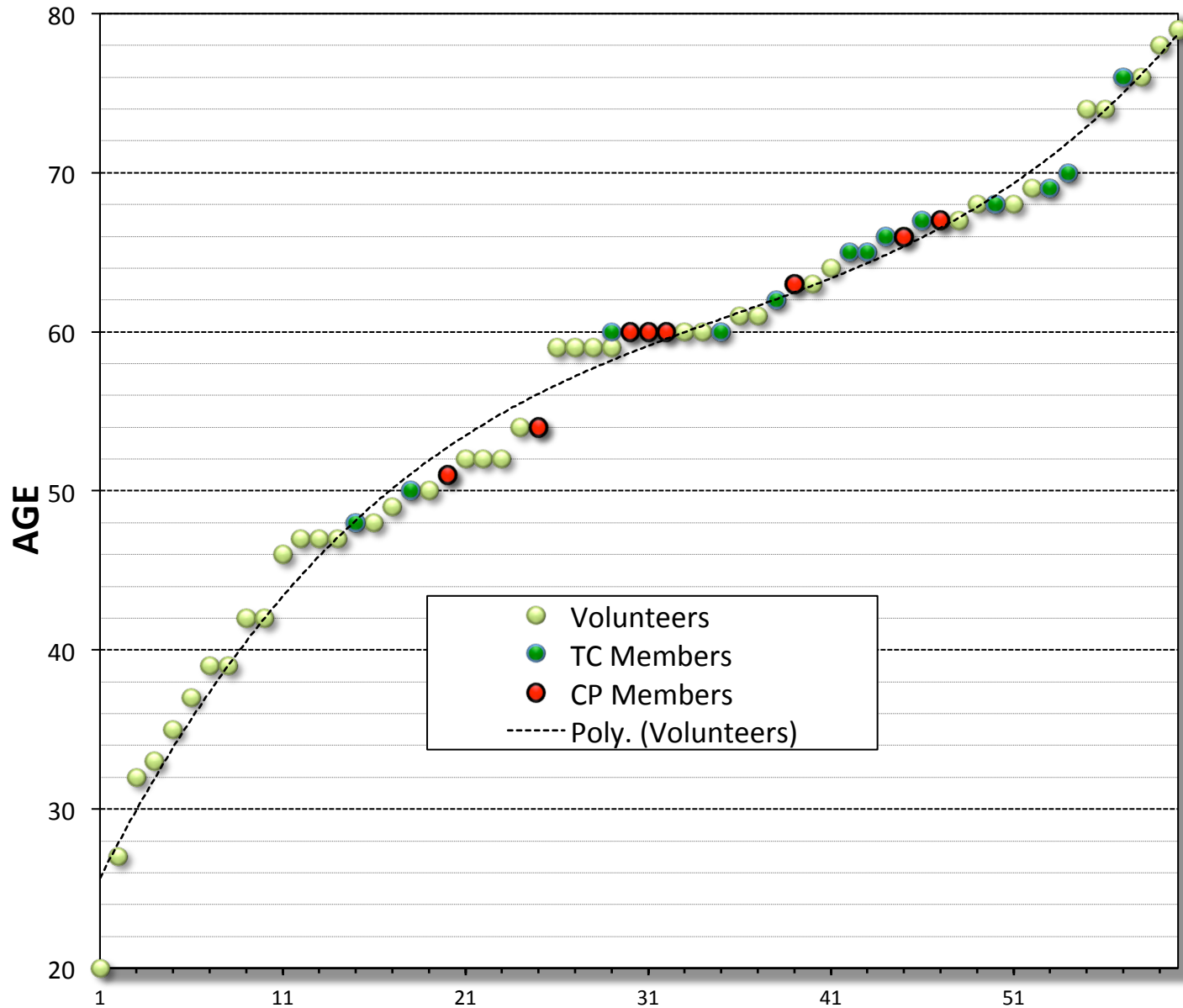
Update 23 Sep 15 includes:

Inherited WGs

Activity to Date

SKYbrary interaction

The first 60 volunteers



Volunteers

| | | | |
|-------------------|--------------------|-------------------|-------------------------------|
| Charles Wallace | Chris Norton | Richard Hall | Nigel Harris |
| Gilbert Dougherty | Bruce Crawford | Lucy Young | Phil Smith |
| Oliver Ferrario | Nick Goodwyn | William Pinney | Alex Fisher |
| Stephen Smartt | Neil Hunter | Richard Lotinga | Chris Hodgkinson |
| Lance Levin | Dhamseth Pallaweal | DAA | Tim Sindall |
| George Williams | Chris(tine) McGee | Patrick Murray | Harvey Crush |
| Dave Edwards | Lloyd Watson | Mike Beech | Ian Perry |
| Emma Truswell | Peter Benn | Geoff Connolly | David Hill |
| Tristan Crawford | Jll Develin | Marion Wooldridge | Peter Moxham |
| Mark McCullins | Phil Mathews | Nick Clutton | George Capon |
| David Allerton | John Vincent | Cleaver | Peter Reading |
| Jo Salter | Dai Whittingham | David Cockburn | |
| Mark Searle | John Denyer | Miles Stapleton | |
| Barry Waldron | Brent Hawkins | Jeremy Tracy | |
| Syd Utting | Kent Johnson | Jerry Bartlett | |
| Stephen Wallace | Glen Fricker | Peter Cox | |
| Simon Sparks | Les Garside | Beattie | |
| | | David Harrison | |

Range of (Current) Open Topics

- Air Pilots' Good Neighbours Initiative
- Transport Environmental Budgets
- Human Factors - Pilot Fatigue & Fatigue Risk Management
- True North heading reference for CAT UK
- Instructors Working Group Pilot Contracts
- Unmanned Air Vehicles
- Human Factors - Flight Deck Automation (& Pilot skill erosion)
- Addressing 'skill fade' - a low-cost Training Aid
- Laser Threat
- Recovery from Failure
- Substance testing in Aviation
- Admissibility of AAIB reports in Court
- [ATSOCAS – miss-understand by pilots](#)
- [Preventing infringement of glider and parachuting sites](#)

Air Pilots Good Neighbours Initiative

- Aim: To investigate best practice in keeping the local community on-side with airports & aircraft
To share best practice across the membership
- Notes: This is aimed at smaller GA airfields rather than large commercial entities that (should) already have their own processes in place. That would not prevent the WG from addressing those too if they felt appropriate.
- Output?
- **Marion Wooldridge?** John Arscott? Jo Salter?
- **STATUS: DAA to approach Jo Salter as potential leader.**

Transport Environmental Budgets

- Aims: To show the true environmental impact of road, rail and air travel // inform members what an environmental report should contain to be a true reflection of the different modes // demonstrate the aircraft contribution to an air passenger's environmental impact.
- Notes: Prof Wooldridge will assist with modelling
- Continued from EnvC
- Output Type? Public Paper/Presentation? - This is a research-based activity from which (if it were actually feasible) we would need to pull out the major points to over-view summarise.
- **Facilitator tbd?** Marion Wooldridge?



No
immediate
Action

Human Factors - Pilot Fatigue & Fatigue Risk Management

- To generate an Air Pilot position on what is good (and what is not) in fatigue risk management
- New
- Output? IATA/EASA/ICAO & influence Accountable Managers (especially at single pilot ops)– Air Pilots to become global fatigue experts.
- **Nick Clutton?** Ian Perry? Les Garside-Beattie? David Hill? Chris McGee? Dhamseth Pallaweal? Emma Truswell? Lucy Young?
- **STATUS:** Nick to coordinate

True North heading reference

- Aims: Establish the rationale for a global switch to True reference from Magnetic for aviation - solving the CAT (and the trans-polar?) issues and addressing how GA could be covered.
(Might longer term introduce the concept of GEO Height too - or prompt formation of a new Working Group to do so.)
- Notes: Since, IN/GPS-based navigation systems rely on look-up tables to establish local magnetic value, aircraft on the same (M) heading can converge!
- Output?
- **Alex Fisher, Miles Stapleton, David Cockburn – link with RIN, John Campbell? Simon Sparkes?**
- **STATUS: Alex to lead, Possible Canadian support (Jeremy Tracy?) thru DAA**

UK Instructors Working Group

- Aim: To produce and maintain the Air Pilot position on all aspects of PPL and FI training // liaise with other organisations to improve training standards, flight safety and standardisation across the FI profession.
- Notes: Also arranges the Flying Instructors' Forum to promote cross fertilisation of ideas and techniques, for fixed and rotary wing aircraft, between military and civilian instructors.
- Output? Flying Instructor's' Forum
- **Syd Utting** Rod Jarvis Primo Lonzardi Daniel Francis David Cockburn Martin Hatton Caroline Smith Paul Hobkirk Andy Miller Adam Whitehead Oli Russell Phil Mathews
- **STATUS: EASA NPA – UPT ppl level training using spin avoidance training – needs response**

Pilot Contracts

- Aim: Examine the range of contracts that are offered to pilots, to identify any unusual arrangements that can represent either disadvantage to the pilot community or to aviation safety
- Notes: Pay2fly? 7 month 'annual contracts Impact of short-term pilot contracts on cyclic training - CRM, simulators, etc.
- Output? Paper on which to base media release
- **Bruce Crawford?** Peter Ben, Glen Fricker? Chris McGee? Stephen Smartt?
- **STATUS:** Bruce Crawford to lead to consolidate

Unmanned Air Vehicles

- Aim: To articulate the case (careful integration, legislation & control/wider public education?)
- Notes: This is an important topic on which the Air Pilots really need an option, to inform future integration of manned and un-manned
- Output? **tba**
- **Chris Norton** Les Garside-Beattie? **Neil Hunter?**
- **STATUS:** TC knows this is important but can't identify what needs to be done first; Chris Norton to lead initial brainstorming to define?

Human Factors - Flight Deck Automation (& Pilot skill erosion)

- Aim: Research/produce a company view on reversing the erosion of pilot skill and experience that recent accidents (AF447, Colgan air 3407)
- Notes: Already lots in public domain, the challenge is to turn that into something we all recognise/support. Ident the problem then identify the solution(s).
- Output? Paper, Media release, SKYbrary (consolidate two existing articles).
- **Nick Goodwyn?** Tilmann Gabriel (CityU)? Marion Wooldridge (CityU link)? David Hill? Chris McGee? Dhamseth Pallawael? Emma Truswell? Lucy Young? Stephen Smartt?
- **STATUS: Nick Goodwyn leading**

Addressing 'skill fade' - a low-cost Training Aid

- Aim: Examine how/whether skill-fade might be addressed through a low-cost training aid
- Notes: Drive Alex's idea, through a simulation study to see if it has a positive effect. CityU have a simulation facility that would fit this work
- Output Type? Paper for conference
- **Alex Fisher?** Training Captains? CityU?
- **STATUS:** Alex to lead, with Nick Goodwyn to provide link to Tilmann Gabriel (CityU) to explore possible CityU support.

Laser Threat

- Aim: To provide a Company position and strategy to reduce the threat of laser attacks on manned aircraft. To liaise with UK Laser Working Group as necessary.
- Notes: Await output of UK Laser Working Group or pre-empt it by consolidating experience/ lessons from all the regions first?
- Output Type:
- Participants: DAA (through UL Laser WG) John Vincent?

No
immediate
Action

Recovery from Failure

- Aim: To produce a skill-based article for aviation media (with intent for it to be picked up by wider press) explaining the methods pilots employ to recover from an aircraft malfunction etc.
- Notes: Less a training output – more an experience-based output? (When things go wrong) Opposite to Automation/Skill fade?
- Output: Press article for enthusiast magazines (possibly Sunday colour supplement), SKYbrary article
- Team:? SKYbrary reviewers//a WG to address specific SKYbrary issues// reviewers & WG volunteers amalgamated?

No
immediate
Action

Substance testing in Aviation

- Aim: To formulate a Company position on how testing for psychoactive substances should be conducted
- Notes: Pre-flight tests can disrupt the pilot's preparation and mental state. Some will reveal previous use long after the substance has any affect(?) Blood sample hygiene provision not universally good. Needs global standards not local ad-hoc arrangements. Test on flight crew should be matched by similar tests on maintainers and everyone involved in aircraft preparation for flight.
- Output Type:
- Team?
- Already mandated in many areas so work would have limited effect.



No
immediate
Action

Admissibility of AAIB reports in Court

- Aim: To establish an Air Pilot position on
- Notes: Harvey Crush represents Air Pilots at RAeS symposium & conference 30 Sep & 7 Oct – will report. Variation between Scottish and England and Wales law was noted, as was an instance of CVR being played in a coroner's court. The difficulty was well illustrated by the hypothetical case of a jury of non-pilots being asked to make decisions based on a CVR recording which seemed well outside the principle of someone (the pilot) being judged by their peers.
- Output Type? Paper – to share with other aviation bodies, e.g. RAeS FOG.
- **Harvey Crush**
- **STATUS: Review post Harvey Crush's feedback**