

# The IPAS Crew Resource Management Course



IPAS has been delivering CRM courses for over a decade; providing structured, tailored and relevant courses to the ADF, state and federal government agencies and civilian companies, big and small. Now IPAS has created new content in response to changes in Human Factors training.

IPAS took the Human Factors training requirements from the CASRs; compared them to the master ICAO document and then combined that with the requirements of the FAA and the British CAA and European JARs to create a new, hybrid 'best practice' course syllabus.

We then looked at the **individual needs of our client organisations** and added specific content; things such as 'Low Flying in a Wire Environment;' 'Basic Aerodynamics for non-aircrew;' 'Aircraft Safety;' 'Mission Command vs Aircraft Command - when the boss isn't the pilot;' 'Introduction to NVGs;' and so on.

We also **included special case studies** such as 'CRM Accidents in Wild Fire Fighting;' 'Breakdowns in CRM on the Battlefield;' 'How General Monash used effective CRM in the Battle of Hamel;' 'The Space Shuttle Challenger Disaster;' 'Teamwork in the Hudson River Crash;' **and included special exercises** such as 'Map Reading from Aircraft;' and 'Basic Aeronautical Knowledge;' (for volunteer emergency services personnel training competencies).



IPAS also created a 'CRM Facilitators' Course' where company personnel are given training in: CRM course content; How to create Case Studies; Facilitating Adult Learning; Controlling Groups; and Assessing HF Skills. This allows organisations to create their own 'in-house' CRM training element and course content and removes the need to rely on external providers. The first of these courses was delivered to a large aviation organisation with bases all over Australia and provided them with greater flexibility in their training.

IPAS and its training partner Rho Aviation create **CRM courses that are tailored, personalised and relevant.** We look at your type of operations, shape the course to your needs whilst still maintaining the requirements of the regulations and then create all materials with the client's corporate logos and emblems using their colour schemes and style. This gives participants a sense of ownership and relevance to the course, rather than making them feel merely like a customer.

For more information contact IPAS at [conway@ipas.com.au](mailto:conway@ipas.com.au)

# About the Course and the Facilitator



**The IPAS CRM course is a modular course consisting of Core Subjects which cover CASA's recommendations and Elective Subjects that satisfy individual client needs for such things as Low Flying in a Wire Environment, Aerial Fire Fighting, Aviation Safety... all delivered by an experienced military and civilian aviator.**

Here are the various elements of the IPAS CRM Course:

## **CORE SUBJECTS (all courses)**

1. Introduction to CRM
2. The Human Mind
3. The Human Body
4. Human Error and Threat Management
5. Communication
6. The Group Dynamic - Teamwork
7. Situational Awareness
8. Judgement and Decision Making
9. Task/Mission Planning, Briefing and Debriefing.

## **ELECTIVES (Chosen by client)**

10. Low Flying and its Hazards
11. Basic Aerodynamics for Non-Aviators
12. Introduction to Risk Management
13. Introduction to Night Vision
14. Mission Command vs Aircraft Command
15. Automation
16. Aircraft Safety and Emergencies
17. Navigation and Map Reading from Aircraft
18. Unmanned Aerial Systems

## **FACILITATOR TRAINING SUBJECTS**

20. Facilitation
21. Trainees and Adult Learning
22. Presentation Techniques
23. Audio/Visual and Printed Matter
24. Referencing and Copyright
25. Case Studies.

## **About the Facilitator and Course Designer.**

Conway Bown spent over 20 years in the Australian Army flying Black Hawk and Chinook helicopters in flying and executive positions. During his service he deployed to East Timor twice and to the Middle East (Iraq and Afghanistan) in such roles as Army Aviation advisor on General Cosgrove's HQ, Detachment Commander of the Black Hawk helicopter force, Operational Pilot, Official War Artist for the Army and later for the Air Force and recently as a UAV 'Drone' pilot.



He has also spent years flying in the civilian fields of EMS, in airborne law enforcement with Australian Customs, flying Power Line patrols and fixed and rotary wing charter as a single pilot or in a multi crew environment. He is also the owner of a twin-engined warbird which has been fitted out for support to the emergency services, so he understands the financial pressures of operating an aircraft in the difficult world of aviation. He is endorsed on over a dozen single and multi-engined fixed and rotary wing aircraft.



Most recently he has returned from serving in Afghanistan with the Air Force as a UAV 'Drone' pilot supporting Australian ground forces in the fight against the Taliban.

He has a special interest in supporting the emergency services with their airborne operations and in training and in the emerging field of UAVs where he is a CASA approved UAV controller.

**For more information visit [www.ipas.com.au](http://www.ipas.com.au)**