AESS International Operations 2008 Interim Report

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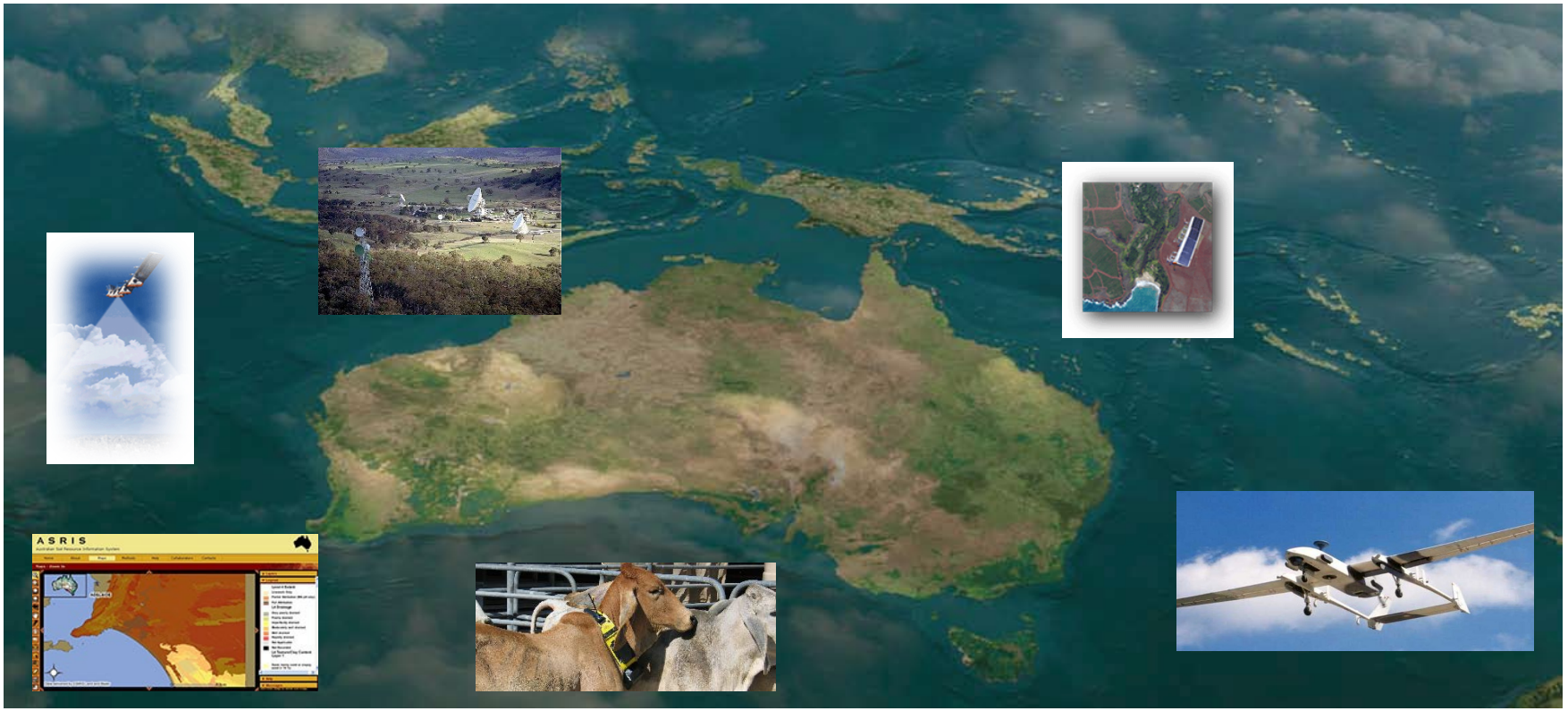
Australia Operations

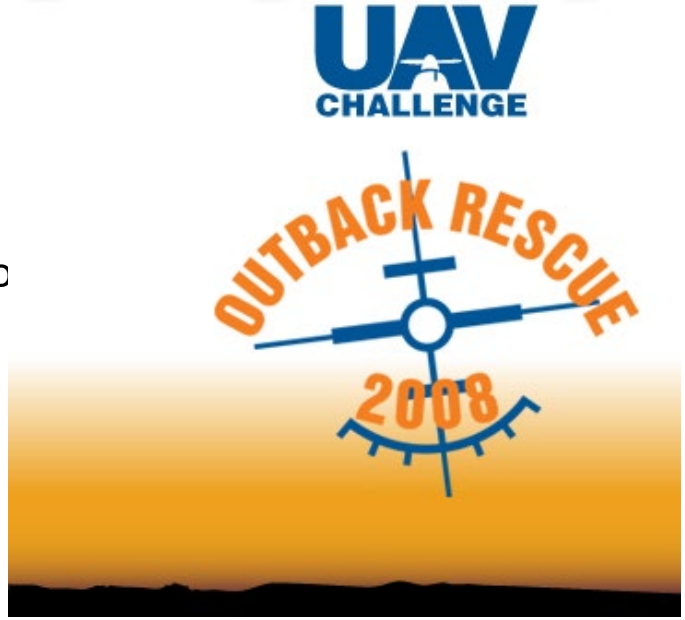


AESS in Australia – International

- **Seeking joint activities with Australian Industry, Academia and professional societies**
- **Develop partnerships that focus on leveraging expertise in niche, high value applications and areas of global influence (GEOSS, UAV applications)**
- **Emphasis on value that AESS/IEEE membership can bring in partnerships to solve Australian "Grand Challenges" (Sustainability, Frontier Technologies, Health, Security)**

2008 Mid-year Report

- Once again supporting high profile UAV Challenge activity in Queensland Australia
  - See www.uavoutbackchallenge.com.au
  - Many entries backed from Industry to encourage engineering students
  - AESS Sponsorship for student entries and $5K fo UMR entry
  - Enthusiastic entries from high schools and universities
  - $40K prize money to entrants
  - $100K of funding from AUVSI, CSIRO, Boeing, QLD Government
- Formation of QLD AESS Chapter
  - All required signatures
  - First event held on March 26
  - Professor John Hansman from MIT (Professor of Aeronautics and Astronautics; Head, Division of Humans and Automation' Director, International Center for Air Transportation)



- http://www.youtube.com/watch?v=5VeScOBquK8

AESS supporting student entries

DRAFT: A Statement of Work between the IEEE-AESS and QUT for supporting the UAV Challenge – Outback Rescue 2008

1. Scope

The objective of this agreement is to encourage students to pursue a career in aerospace and to understand the value of membership with professional societies.

2. Activities

QUT will manage a competition of student entries into the UAV Challenge – Outback Rescue 2008. This includes, but is not limited to the following activities:

2.1. Call for, and collation of , all student applications;
2.2. Assessment of applications and provision of notification of Eligibility to compete;
2.3. Call for, and collation of , all student Bursary applications;
2.4. Assessment of Bursary applications in conjunction with the IEEE and provision of notification of success;
2.5. Receipt, assessment and provision of technical feedback regarding Deliverable 1;
2.6. Receipt, assessment and provision of feedback regarding team insurance details
2.7. Receipt, assessment and provision of technical feedback regarding Deliverable 2;
2.8. Receipt, assessment and provision of feedback regarding CASA approvals;
2.9. Receipt and assessment of Documentary Challenge if applicable

3. Responsibilities

3.1. QUT will assess student competitors' eligibility to compete in conjunction with the Challenge Technical Committee;
3.2. QUT will assess student Bursary applications in conjunction with the IEEE;
3.3. QUT will disburse support funds in accordance with the IEEE Bursary guidelines;
3.4. QUT, in conjunction with the Challenge Technical Committee, will manage a 'mentor' scheme for student competitors covering both technical and non-technical aspects of the competition including guidance on obtaining the relevant Insurance, CASA Approvals and Radio Frequency Licence;
3.5. QUT will ensure each assisted team maintains a running record of their progress and will monitor that running record.
3.6. QUT will assess Team performance during the Challenge in conjunction with the Challenge Technical Committee and Rules governing the competition;
3.7. QUT will promote the IEEE at the UAV Challenge – Outback Rescue 2008 in conjunction with the Challenge Organising Committee.
3.8. QUT will promote the AESS at the UAV Challenge – Outback Rescue 2008 in conjunction with the Challenge Organising Committee.

4. Deliverables

4.1. QUT will ensure each Team's running record of their progress is made available to the IEEE online.
4.2. QUT will ensure that the best student paper received is provided to IEEE Systems Magazine.

UMR Entry

- AESS has also been providing financial support - $5K
- Their project is to design and build a UAV, flight test it and then enter it into the 2008 Outback Challenge

  Dave Erdos is the student leading the project. Their UAV is now flying and they have a website (http://aessuav.org) up and running