



PROFESSIONAL PRACTICE

CATEGORY A, B & C ACTIVITY LOG SHEET

1. PERSONAL DETAILS

Griffith identification Number	Family Name: Barber
<div style="display: flex; justify-content: space-around;"> 5138877 </div>	Other Names: Jessy

2. PROFESSIONAL PRACTICE ACTIVITY

CATEGORY <small>(See Note 1)</small>	A	Days <small>(See Notes 2 & 3)</small>	5
Week Beginning	5 / 12 / 22	Week Ending	9 / 12 / 22
Supervisor Name: Alex Forward		Contact Ph: +61755492370	
Organisation Name: Gilmour Space Technologies		Email: alex.forward@gspace.com	
Organisation Address: 5 Millennium Circuit, Helensvale			

3. ACTIVITY DESCRIPTION & REFLECTION

Description of Activities Undertaken: (Approximately 50 words)

I was able to finish the development of my applications which now included an LCM output message receiver. Since the packet transmission now worked for a virtual CAN socket connection, I started planning the steps for my integration testing in the hardware in the loop (HITL) facility. I also developed my own DBC file and had to work with a manufacturer to gain missing specifications from the BMS data sheet.

Discuss the Engineering Application Abilities Developed: (Approximately 50 words) (See Note 5)

I was able to develop the fluent application of engineering techniques and resources through the development of my LCM receiver application. LCM is a message protocol developed in house and my application used that protocol to repackage CAN frame data into a published LCM network packet. My application then received incoming transmitted LCM packets and displayed a live feed of the decoded values over time. In doing this, I was able to apply existing tools and resources created by the software team with tools that I developed.

Discuss the Professional and Personal Attributes Developed: (Approximately 50 words) (See Note 5)

I was able to represent myself in an orderly way, and with professional conduct as I managed an issue we had with a supplier. The supplier had not provided sufficient information in the data sheet for the BMS which included things like data types and sizes. I had to open a discussion through multiple emails with them, in doing so I had to understand the importance of being a member of a professional community since the company is listed at the bottom of my emails. I was able to understand that I was speaking to the supplier on behalf of the company, and it was my responsibility to maintain a positive working relationship which meant presenting a professional image in all circumstances to a technical colleague.

4. STUDENT SIGNATURE

Student Signature: <i>Jessy Barber</i>	Date: 10-12-2022
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Notes:

1. See the table provided in the Activity Log Guidelines for the definition of each category of professional practice.
2. For work experience paid on a casual hourly basis, a day of work is taken as 7.25 hours.
3. Only days between Monday and Friday can be counted for research undertaken at Griffith University in Category B Professional Practice, unless prior approval has been granted by the course convenor for 6008ENG.
4. At least one Activity Log Sheet must be provided with each Record Sheet for Professional Practice in categories A, B and C.
5. Refer to the Engineers Australia Stage 1 Competencies.