

Flight Briefing Summary: Broken Hill to Rylstone

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Flight Overview

- Departure: Broken Hill (YBHI)
- Destination: Rylstone (YRYL)
- Planned Departure: 10:00 AM local time
- Distance: 800 km (~432 NM)
- Target Flight Time: 3.5 hours
- Planned Altitude: 7,500 ft AMSL

Wind Conditions

- Broken Hill (10 AM): Winds ~9 kt from ENE (~60°)
 - Headwind Component \approx 7.8 kt
 - Crosswind Component \approx 4.5 kt (from left front)
- En Route / Rylstone Region: Winds ~4 kt from NNE (~20°)
 - Minor Headwind Component \approx 1.4 kt
 - Mostly crosswind to slight tailwind as you approach Rylstone

Performance Recommendation

- Required Average Ground Speed: 123 kt
- Recommended True Airspeed (TAS): \approx 130 kt
 - This allows compensation for initial headwind
 - Expect slight tailwind or neutral wind toward Rylstone

Additional Notes

- Monitor in-flight winds for minor adjustments.
- Wind direction and strength are forecasts and may vary.
- Ensure safety with updated en-route weather data and fuel checks.

Fuel and Endurance

- Fuel Onboard: 85 litres
- Average Fuel Burn at 130 KTAS: 17 L/hr
- Estimated Endurance: 5.0 hours
- Ensure reserve fuel margin in line with VFR requirements and flight duration.

Flight Path Map

This map shows the direct route between Broken Hill and Rylstone (800km)

