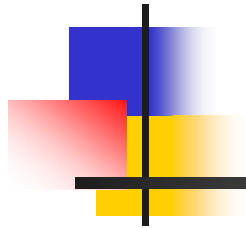


# Avionics Type Rating In General Aviation



B2 Licence Issues for General  
and Business Aviation

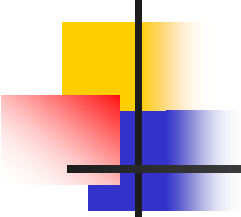


# What is a Type Rating?

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- Part 66 B2 licence requires an aircraft type endorsement before the licensed engineer can sign the certificate of release.
- The B2 Engineer must attend a part 147 aircraft type course, pass the examination and complete the on the job tasks on the aircraft type to obtain the endorsement.

# Type Ratings are Required For Most Corporate Aircraft Models





# Current situation

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- Some B2 type rating courses are available for aircraft that have pre integrated avionic systems installed.
- Current production models of GA & business aircraft are equipped with integrated avionic systems.

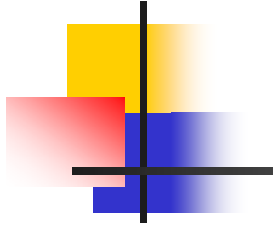
## Legacy Federated Avionic Systems



## First Generation Electronic Flight Instrument Systems



# Integrated Avionics System





# What are the Challenges?

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- Including sufficient information on the Integrated avionic installation into the B2 training courses.
- Most airframe manufacturers courses address the engine and airframe technician requirements.
- The airframe manufacturers courses generally meet the requirements for the B1 type rating endorsement.



# Work Around Solution

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- B2 Engineers attend standard manufactures maintenance courses.
- B2 Engineers then attend the avionic manufactures generic avionic course.
- Maintenance company applies for certification dispensation from National Aviation Authority / EASA.



# Work Around Solution

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- The work around solution is expensive in money and time.
- Legacy type training courses do not address the integrated systems.



# Solutions

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- Use the prime avionic manufactures training resources to conduct the integrated avionics systems training.
- Develop aircraft B2 courses that address the B2 type rating syllabus with the avionic manufacturer.



# Solutions

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- Train the trainer assistance to address The OJT practical requirements.
- Presentation skills, course development. OJT part conducted in an efficient cost effective manner.
- CAP 741 maintenance Engineers Log book.