First Article Inspection (FAI) Capabilities

Belcan is a global supplier of design, software, manufacturing, supply chain, information technology, and digital engineering solutions to the aerospace, defense, space, government services, automotive, and industrial markets. Belcan engineers better outcomes for customers – from jet engines, airframe, and avionics to heavy vehicles, automobiles, and cybersecurity. Belcan takes a partnering approach to provide solutions that are adaptable, integrated, and value-added, and has been earning the trust of its customers for over 60 years.
**Belcan Value Proposition**

**Expertise** – 850+ manufacturing and supply experts on staff ready to support FAI and beyond (e.g., PPAP, RCCA, Source Inspection, etc.)

**Agility / Speed** – FAI resource scale (10+ existing FAI clients) and a global delivery capability enables efficient and timely ramping up and down of capacity

**Cost** – Reduced cost through resource mix optimization (e.g., review/data entry from Hyderabad) and process efficiency (e.g., digitalization)

**World-Class Data Security** – Customer data is safeguarded using advanced technology with secure and segregated working locations requiring badge access.

**Flexible Commercial Models** – Flexible commercial models (time & material, fixed price) to better meet our client's needs

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**Capabilities**

**Review of FAIR (e.g. “Buy” Parts)**
This task entails receiving the FAIR from the supplier and ensuring:
- Compliance with AS9102 requirements
- Each design characteristic is accounted for, uniquely identified, and that inspection results are traceable (Form 3 of AS9102)
- Manufacturing process documents, route travelers, quality plans, work instructions, etc are documented
- Referenced documents, inspection and test data, acceptance test procedures, material certifications, etc. are included
- Any non-conformance raised during production is noted
- Sources of special process are approved
- Gauges and tooling are qualified and traceable as necessary
- Data is entered into necessary systems
- Supplier training on developing an FAIR

**Development of FAIR (e.g. “Make” Parts)**
Belcan has created hundreds of FAIRs for many international aerospace companies, which can include any or all of the following:
- Create balloon drawings
- Set up forms per AS9102
- Create the FAI packet (documentation)
- Inspect subject part
- Collect inspection data
- Provide quality resolution to issues raised in the FAI
- Sign off FAI
- Data entry into necessary systems
- FAIR development training

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**Sample Tools**

![net-inspect](image)
![Office](image)
![Discus](image)
![inspectionxpert](image)
![TIPQA](image)
![HIGH QA](image)