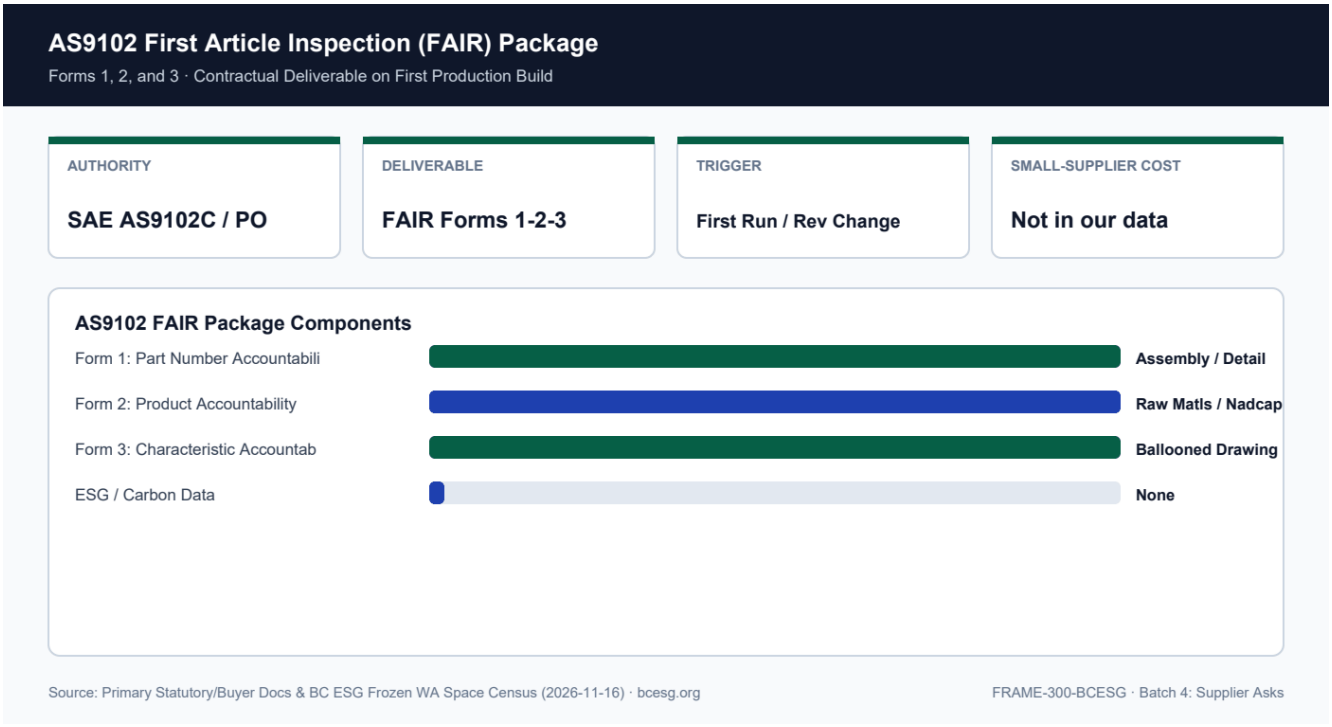
AS9102 First Article Inspection (FAI) Packages for WA Space Shops

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Verification & Authority Baseline: Issued by space primes and Tier-1s under SAE AS9102 (current revision AS9102C). Voluntary industry standard that becomes contractually binding on first production runs, design changes, or source transfers.



FAIR Form	Required Evidence	Common Audit Failure
Form 1	Part/drawing rev, serial number, sub-tier FAIR IDs	Mismatched drawing revision
Form 2	Alloy heat/lot certs, Nadcap special-process CoCs	Missing DFARS specialty-metal melt origin
Form 3	100% ballooned print dimensions & actual CMM values	Unverified GD&T datums or missing notes

Who Issues This Ask, Authority, and Binding Status

AS9102 First Article Inspection (FAI) asks are issued by every launch, satellite, and propulsion prime (Blue Origin, SpaceX, Stoke Space, The Boeing Company) on new part numbers, engineering revisions, or facility moves.

SAE AS9102C is an **industry standard**, not a statute; it is **contractually binding** when invoked by the buyer's PO or AS9100D Clause 8.5.1.3.

Evidence Required & Small-Supplier Effort Cost

Suppliers submit a complete **First Article Inspection Report (FAIR)**—typically via Net-Inspect or PDF—comprising **Form 1** (Part Number Accountability), **Form 2** (Product Accountability: raw material certs, special process CoCs, functional tests), and **Form 3** (Characteristic Accountability keyed to a ballooned engineering drawing).

Internal CMM/inspection and Net-Inspect hours per part are **not in our data**.

WA Space Cluster Segments & Companies Affected

Affects all build-to-print machine shops and composite fabricators in Components & Suppliers (Space Valves, Janicki Industries) and Adjacent Aerospace (Tessera, Orion Industries).

Verified Primary Sources & Internal Bridges

• SAE — AS9102C First Article Inspection Requirements: https://www.sae.org/standards/as9102c-aerospace-series-first-article-inspection-requirements/

• IAQG — International Aerospace Quality Group: https://iaqg.org/