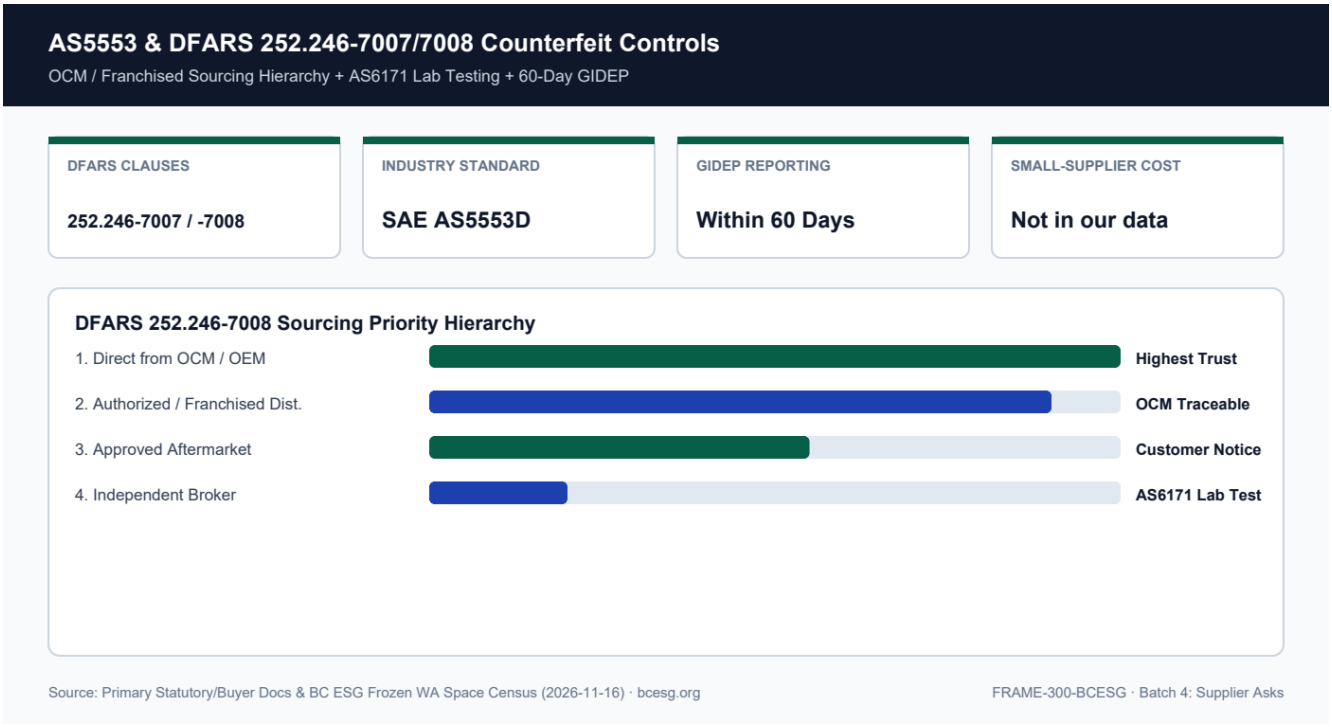
SAE AS5553 & DFARS 252.246-7007/7008 Counterfeit Electronic Parts

Published: November 16, 2026 · Canonical URL: https://bcesg.org/wa-space-ask-as5553-counterfeit-parts-dfars/

Verification & Authority Baseline: Binding DoD federal regulation (48 CFR §§ 252.246-7007 & 252.246-7008) paired with SAE AS5553D. Mandates OCM/authorized-distributor sourcing, counterfeit avoidance plans, AS6171 testing for non-authorized parts, and 60-day GIDEP reporting.



Control Element	Authority	Required Supplier Artifact
Avoidance System	DFARS 252.246-7007 / AS5553D	Written Counterfeit Control Plan + staff training
Authorized Sourcing	DFARS 252.246-7008	OCM / franchised distributor CoC & lot traceability
Broker / Obsolete Parts	DFARS 252.246-7008	Written customer notice + SAE AS6171 lab test report
Suspect Part Reporting	DFARS 252.246-7007	Quarantine log + GIDEP report within 60 days

Who Issues This Ask, Authority, and Binding Status

Counterfeit-parts flow-downs arrive from DoD and national-security space primes under **DFARS 252.246-7007** (*Contractor Counterfeit Electronic Part Detection and Avoidance System*) and **DFARS 252.246-7008** (*Sources of Electronic Parts*), alongside commercial/space primes invoking **SAE AS5553D**.

Binding status: DFARS `252.246-7007` and `252.246-7008` are **binding US federal regulations (**`48 CFR Part 252`**)** on covered DoD contracts and flow down to all subcontractors supplying electronic parts or assemblies. SAE AS5553D is a commercial standard used to operationalize compliance.

Evidence Required & Small-Supplier Effort Cost

Suppliers must maintain a written **Counterfeit Control Plan**, enforce an **Approved Supplier List (ASL)** prioritizing OCMs and franchised distributors, retain **OCM Certificates of Conformance and chain-of-custody records** (typically 10+ years), quarantine suspect parts, and report confirmed/suspect counterfeits to **GIDEP** and the contracting officer within **60 days**.

Open-market broker buys require customer notification and **SAE AS6171** authentication testing. Exact testing/lab fees are **not in our data**.

WA Space Cluster Segments & Companies Affected

Lands directly on WA electronics, RF, and avionics suppliers in Components & Suppliers (Xanfab, Crane Aerospace & Electronics, Honeywell Aerospace, The Radiation Team) and Satellite Manufacturing.

Verified Primary Sources & Internal Bridges

• eCFR — DFARS 252.246-7007 (Counterfeit Avoidance System): https://www.ecfr.gov/current/title-48/chapter-2/subchapter-H/part-252/subpart-252.2/section-252.246-7007

• eCFR — DFARS 252.246-7008 (Sources of Electronic Parts): https://www.ecfr.gov/current/title-48/chapter-2/subchapter-H/part-252/subpart-252.2/section-252.246-7008

• SAE — AS5553D Counterfeit EEE Parts Standard: https://www.sae.org/standards/as5553d-counterfeit-electrical-electronic-electromechanical-eee-parts-avoidance-detection-mitigation-disposition/