



MIL-DTL-25988 Specification Update



DOD specification covering oil and fuel resistant fluorosilicone molded seals

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SAE COMMITTEE CE 18 May 2022





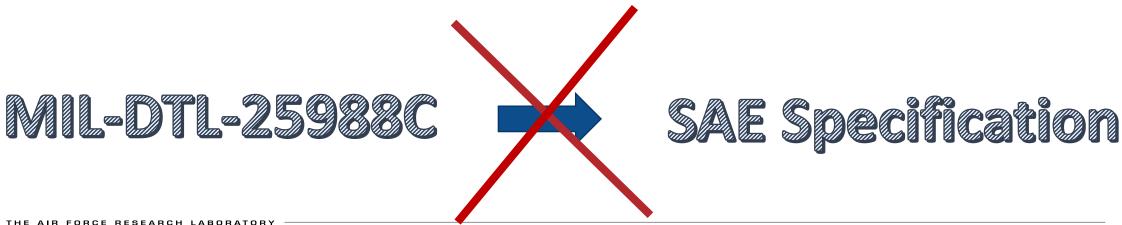
AGENDA

- MIL-DTL-25988 History
 - Status
 - Path Forward
 - Future Work



HISTORY: SAE unsuccessful in transitioning MIL-DTL-25988 to an SAE specification

- MIL-DTL-25988 Revision C published August 2006
- 2006 2016 Several unresolved ballots to replace MIL-DTL-25988C with SAE AMS-CE05AF
- 2016: SAE AMS-CE05AF cancelled







STATUS: AFRL published revised MIL-DTL-25988D with amended physical property requirements and added a QPL

- Jan 2021: MIL-DTL-25988 Revision D published with QPL for Type 1 materials
- Jan 2021: AFRL "grandfathered" MIL-DTL-25988 Revision C products with listing on the new QPL until Jan 2022, granting suppliers one year to provide qualification data meeting new Revision D requirements





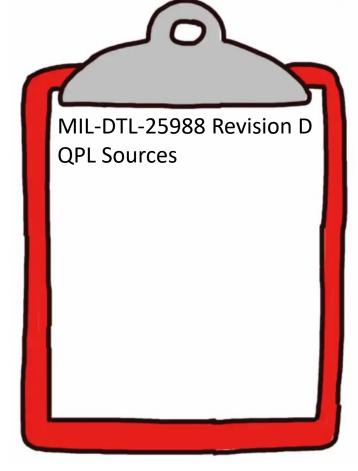


STATUS: AFRL granted Revision C qualified suppliers a further extension, until December 31, 2022, to meet Revision

D physical property requirements

 Jan 2022: No suppliers provided qualification data that fully met Revision D requirements

 Jan 2022: AFRL extended grandfathering period for Revision C products to remain listed on the QPL until December 31st 2022





PATH FORWARD: Transition MIL-DTL-25988 Revision C to SAE Specification with a QPL

- Rationale for AMS-R-25988B
 - Urgent need to resolve decades-long, ongoing issues with existing and previous documents.
 - Technical requirements will match MIL-DTL-25988 Rev C
 - SAE document will also include QPL for Type I products



Goal: AMS-R-25988B balloted and approved by December 31, 2022



- AFRL Action Items:
 - ✓ Initiate AMS-R-25988B WIP
 - ☐ Ballot Revision B to SAE-CE Committee
 - ☐ Cancel MIL-DTL-25988D and supersede it with AMS-R-25988B
 - ☐ Revise part standard slash sheets to point to AMS-R-25988B



FUTURE WORK: Long Term Path Forward

- Testing and discussion to determine physical property requirements for AMS7xxx and AMS3xxx version specifications
- Replace AMS-R-25988 Type I with AMS7xxx version specification(s)
- Replace AMS-R-25988 Type II with AMS3xxx version specification(s)



Questions/Comments