







REPRESENTATION OF THE IM REQUIREMENTS

2023

														
		STANAG 4439 • AOP-39 • AOP-39.1												
Threat	Test Procedures		IM requirements	AASTP-1 (SsD 1.2.3)	DSA 03.0ME Part 1, Chap. 11	FüSK II 2	DG-AT IM Guidelines 2000			Instruction n° 211893 21 July, 2011			HD 1.2 Unit Risk INSP 30 S-CAT	MIL-STD-2105E
	Stimuli	STANAG / AOP					Φ	ΦΦ	ΦΦΦ	★	★★	★★★ ¹		
Magazine / store fire or aircraft / vehicle fuel fire	FH	4240	V	V	V	V	V	V	V	IV ²	V ³	V ³	IV	V
Fire in adjacent magazine, store or vehicle	SH	4382	V	V	V	V	V	V	V	III	V	V	III	V
Small arms attack	BI	4241	V	V	V	V	V	V	V	III	V	V		V
Most severe reaction of same munition in magazine, store, aircraft or vehicle	SR	4396	III	III	III	III	III	III	III	III	III	III	III	III
Fragmenting munitions attack	FI	4496	V		V	V		I ⁴	V		V	V	IV	V
	HFI							I ⁴	V		III ⁵	III ⁵		
Shaped charge weapon attack	SCJI	4526	III		III	III		I ⁴	III		III	III		III

¹ Only MEPS (ST-SG-AC10-11 Serie7 Tests) ² No-Propulsion ³ After five minutes ⁴ Type I or more, as per THA ⁵ France: S-CAT N° 13146

STANAG 4439 • AOP-39 “Policy for Introduction and Assessment of Insensitive Munitions (IM)”

SRD AOP-39.1 provides guidance on the organisation, conduct and documenting of full-scale testing.

The IM Signature is assessed for any particular configuration of a munition during its life cycle.

Type of Response (defined in AOP-39 Edition D Version 2)

2023

	English	Français	Deutsch	Italiano
VI	No Reaction	Absence de réaction	Keine Reaktion	Nessuna Reazione
V	Burn	Combustion	Abbrand	Combustione
IV(F)	Deflagration	Eclatement	Deflagration	Deflagrazione
IV(P)	Propulsion	Propulsion	Antrieb	Propulsione
III	Explosion	Explosion violente	Explosion	Esplosione
II	Partial detonation	Détonation partielle	Teilweise Detonation	Detonazione parziale
I	Detonation	Détonation	Vollständige Detonation	Detonazione

Munition Test Procedures

Stimuli	STANAG / AOP	FH	4240	Fast Heating	Echauffement rapide	Schnelle Aufheizung	Incendio rapido
		SH	4382	Slow Heating	Echauffement lent	Langsame Aufheizung	Incendio lento
		BI	4241	Bullet Impact	Impact de balles	Projektilbeschuss	Impatto con proiettili di piccolo calibro
		SR	4396	Sympathetic Reaction	Réaction par influence	Sympathetische Reaktion	Reazione per influenza
		FI	4496	Fragment Impact	Impact d'éclat	Splitterbeschuss	Impatto con scheggia
		HFI	*	Heavy Fragment Impact	Impact d'éclat lourd	Einschlag schwerer Splitter	Impatto con scheggia pesante
		SCJI	4526	Shaped Charge Jet Impact	Impact de jet de charge creuse	Hohlladungsbeschuss	Impatto con dardo di carica cava

* France: S-CAT N° 13146



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