

REPRESENTATION OF THE IM REQUIREMENTS

2018

		NATO		UK	GERMANY	ITALY			FRANCE			USA	
THREAT	TEST PROCEDURES		STANAG 4439										
			IM requirements	AASTP-1 SsD 1.2.3	JSP 520	FÜ S IV 3	DG-AT IM Guidelines 2000			INSTRUCTION N° 211893 July 21 st , 2011			MIL-STD-2105D
	Stimuli	STANAG					Φ	ΦΦ	ΦΦΦ	★	★★	★★★ ⁴	
Magazine / store fire or aircraft / vehicle fuel fire	FH	4240	V	V	V	V	V	V	V	IV ²	V ³	V ³	V
Fire in adjacent magazine, store or vehicle	SH	4382	V	V	V	V	V	V	V	III	V	V	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
Fragmenting munitions attack	FI	4496	V		V	V		I ¹	V		V	V	V
	FI Heavy Fragment	4496						I ¹	V		III	III	
Shaped charge weapon attack	SCJI	4526	III		III	III		I ¹	III		III	III	III

¹ Type I or more, as per THA ² Without propulsion ³ Only after five minutes ⁴ All EM compliant with UN Orange Book Test Series 7

STANAG 4439 "Policy for introduction and assessment of Insensitive Munitions" • AOP 39 "Guidance on the Assessment and Development of Insensitive Munitions"

Any variation in the threats shall be justified through an approved munition Threat Hazard Analysis (THA) cf. STANAG 4439 para.10.

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

	English	Français	Deutsch	Italiano
VI	No Reaction	Absence de réaction	Keine Reaktion	Nessuna Reazione
V	Burn	Combustion	Abbrand	Combustione
IV	Deflagration	Eclatement	Deflagration	Deflagrazione
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	FH	4240	External Fire	Incendie externe	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
		SCJI	4526	Shaped Charge Jet Impact	Impact de jet de charge creuse	Hohlladungsbeschuss	Impatto con dardo di carica cava