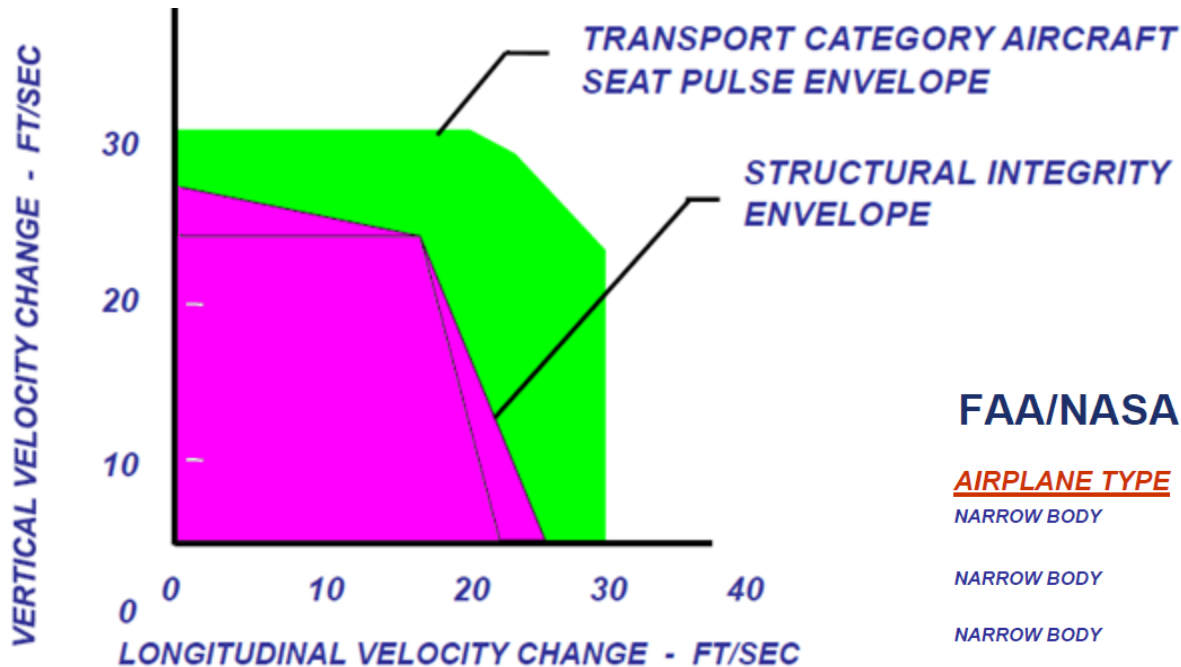


Velocity Change Envelopes



FAA/NASA Full-Scale Airframe Impact Tests

<u>AIRPLANE TYPE</u>	<u>TEST SPECIMEN</u>	<u>TEST CONDITION</u>
NARROW BODY	FORWARD FUSELAGE SECTION	VERTICAL IMPACT 20 FPS
NARROW BODY	CENTER FUSELAGE SECTION	VERTICAL IMPACT 20 FPS
NARROW BODY	FORWARD FUSELAGE SECTION WITH CARGO	VERTICAL IMPACT 20 FPS
NARROW BODY	AFT FUSELAGE SECTION WITH CARGO	VERTICAL IMPACT 35 FPS
WIDE BODY	AFT FUSELAGE SECTION	VERTICAL IMPACT 20 FPS
WIDE BODY	FUSELAGE SECTION WITH CARGO	VERTICAL IMPACT 25 FPS
NARROW BODY	FULL AIRPLANE LAURINBURG	VERTICAL IMPACT 17 FPS
NARROW BODY	FULL AIRPLANE - CID	VERTICAL IMPACT WITH FORWARD VELOCITY 17.3 FPS/141.5 KTS