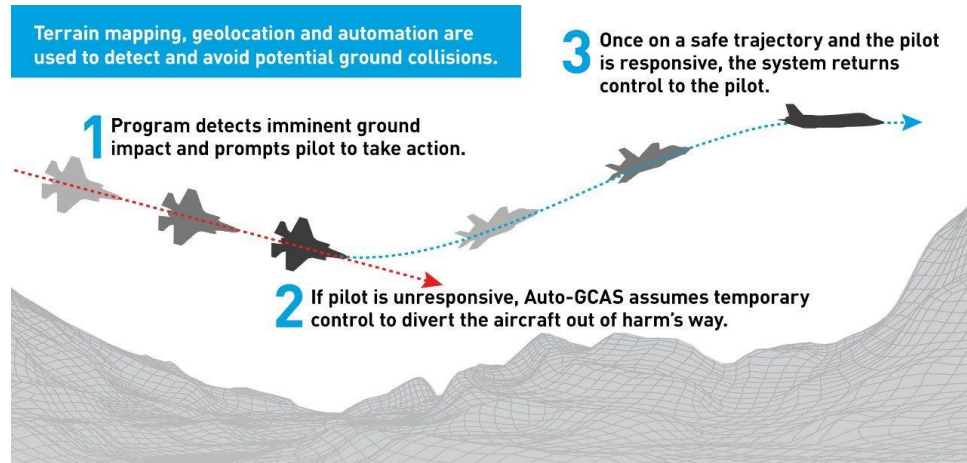


AUTO GROUND COLLISION AVOIDANCE SYSTEM (AUTO-GCAS)

compiled by Dan Pemble, Kissimmee, Florida – January 11, 2026

This function is embodied in late production Lockheed F-16 aircraft and has proven to be effective in saving a number of pilots' lives and their aircraft!



(Graphic from a web site)

I'm not sure if any thought has been given to embodying a similar function into commercial transport aircraft? It seems such function could be "married to" the existing Enhanced Ground Proximity Warning System (EGPWS) now embodied in commercial aircraft!? Then in the event that the EGPWS system "TERRAIN AHEAD PULL UP PULL UP" alert occurs and is not acted upon by the pilots within a few seconds, the autopilot Go-Around mode could be automatically engaged in conjunction with the autothrottle system automatically advancing the throttles to achieve maximum thrust.

Actually today's EGPWS's embody a world-wide terrain data base coupled with Global Position System data; thus wherever an aircraft is in the world, the surrounding terrain is known and the system will emit the above-noted alerts to the pilots if/as required. Thus this "enhanced system" significantly enhances pilot situational awareness and generally will prevent most occasions of "controlled flight into terrain" accidents as have occurred all-too frequently in the past.

