

Parallels in History

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Parallels in History

- Mid 1970's - commercial jets suffered 3.5 crashes a year flying into terrain
- Controlled Flight into Terrain (CFIT)
- 1974 first GPWS implemented
- Fatalities in U.S airspace dropped to near zero

Parallels in History

- EGPWS developed in 1990's
- Mandated on all commercial jets
- EGPWS equipped jets – zero fatalities from CFIT

Parallels in History

- **Collision avoidance – very similar history**
 - Epidemic problem in commercial jets
 - Solution developed by avionics companies (TCAS)
 - Resistance from operators because of cost
 - Government mandate for implementation
 - Mid air collisions are a thing of the past

Parallels in History

- **A word about Night Vision Goggles –
A huge improvement**
- **Limitations**
- **Narrow field of view**
- **Lack of color inhibits situational picture**
- **Physically cumbersome**
- **Not the ultimate solution**

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