

Evaluation of the CDTI

CS247B Term Project with NASA



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Vocabulary

CDTI	Cockpit Display of Traffic Information; a device that shows pilots where other planes are and what their flight plans are, in addition to showing and changing the pilots' own flight plan. Based on the Nav Display (see below)
En route	The bulk of the flying time for commercial jets, in which they pass through "centers" (see diagram below) at high altitude.
Free flight	A new system for the "en route" phase
PFD	Primary Flight Display; shows the artificial horizon, speed, altitude, etc. Most important during takeoff and landing.
Nav Display	a "God's eye" view of the plane and its flight plan. Most important during the en route phase. (also known as MFD, Multi-function Display)
Waypoint	A point in the flight plan where the plane must make a course or altitude change. Think of the flight plan as a game of connect-the-dots; the waypoints are the dots!
FMS	Flight Management System; a complicated panel used to enter and edit waypoints
"Deal"	Controllers' name for a potential safety problem; e.g. "Yeah, I wasn't paying attention to the other aircraft so I had a deal."

The Phases of Flight

