Use of GPS by Marine Pilots

Civil GPS Service Interface Committee

September 8, 2014

Tampa, FL
“What’s a Pilot?”

* Specialized Mariner
  * Port Specific
  * Mandated by State and Federal Statute
  * Assumes Navigational Control of the vessel
  * Expert Ship Handler
  * Traffic Coordination
  * Moors the Vessel with/without Tug assistance
The Environment we work in
How’s your commute?
Portable Pilot Unit (PPU)

* American Pilots’ Association
  * 1,200 State Licensed Harbor Pilots
  * Over 2/3 of pilots use some form of PPU
  * Constant revision
    * User driven
RAVEN
Wireless – Bluetooth
DGPS Pilot Unit
* What do you mean by differential?
* USCG Differential Beacons
* WAAS issues
* GPS Accuracy exceeds that of the chart
* Crutch
  * Training
* No fall back for the commercial seagoing mariner
  * LORAN C dismantled