Dr. James R. Schlesinger  
(1929-2014)  
Our visionary and dedicated Leader will be greatly missed (“boots on to the end”)

- His National Leadership Posts marked with creative initiatives
  - Chairman of AEC and later 1st Secretary of Energy
  - Head of CIA
  - Secretary of Defense
- Adopted GPS as a personal project
  - Chaired national study The Global Positioning System: Charting the Future - 1995
  - Chair of the PNTAB
  - Removal of intentional (and ineffective) degradation - S/A
  - Persuaded DoD to modify IIR to IIRM
  - Spectrum allocation threat
The Problem?

- **High-level USG Official:**
  
  “GPS is much too vulnerable, we must replace it with new Inertials and Chip scale atomic clocks”

- Indeed, GPS has a very weak signal, and also depends on Line of Sight to at least 4 satellites,

  **But...**

- **IMHO – Better Statement – the ”PTA” solution:**

  “We must Protect, Toughen, and Augment GPS to ensure that it meets User’s PNT needs”
Three Action Areas: PTA – P rotect, T oughen, A ugment

- Protect the Clear and Truthful Signal
- Toughen User’s Receivers
- Augment or substitute PNT sources
Who is responsible for Protecting, Toughening and Augmenting for PNT?

To My Knowledge

• Parts of PTA are being pursued (Incoherently?)
• No-entity (in the US – Europe?) is identified that has the knowledge, breadth, will, and resources...
• So we ants must do it ourselves...
• Perhaps an international Focus Group (Out of existing Intl. Groups?)
Tuesday/Wednesday – Each Group

Keep it succinct please

• What is pertinent status in your area?
• What are major issues?
• What are possible recommendations?
  • Urgency?
  • Probability of acceptance?