Table 4: Information Integration Applications 25 to 28

- These involve combinations of Information Production, Analysis, Access and Dissemination and thus need the Integration of the various Software and Machines Architecture Issues discussed under previous application areas.
- Many need collaboration and "computational steering" technology corresponding to integration of computers, people, and instruments "in the loop."
- Sometimes Called System of Systems
- **25: Military and Civilian Command and Control** (C^2, C^3, C^4I ...) (Sec. 5.4)

  • Battle Management, Command, Control, Communication, Intelligence and Surveillance (BMC^3IS)
  • Military Decision Support
  • Crisis Management—Police and other Government Operations
  • SIMNET (now DSI—Distributed Simulation Internet) simulates this and with people and computers in the loop has many of same issues

- **26 to 28: Applications of InfoVision Services** (Sec. 5.5)

  • Generalize Compuserve, Prodigy, America Online, Dialog and Other Information Services, implemented with Web Server, Digital Library, Internet, and Netscape/Java/VRML/.. technology.

  • **26: Decision Support Information and Entertainment for Society**
    • Settop Box/PC based Information Systems
    • Community Information Systems
    • Travel and Generalized Yellow Page Services

  • **27: Business Decision Support**—One example is:
    • Health Care with Image and Video databases supporting telemedicine

  • **28: Public Administration and Political Decision Support**
    • Government Information Systems
    • Maxwell School at Syracuse University teaches use of realtime video to aid world wide decisions (United Nations)