Honeywell Requirements for IMA

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In the late 1980s, the aviation industry began creating its first standards for IMA (the ARINC 650 family). Honeywell was heavily involved in the development of these standards and created some of its basic concepts (e.g. "time and space partitioning"). Concurrent with the creation of these standards, Honeywell developed the first IMA to incorporate the standards, the Boeing 777 Aircraft Information Management System (AIMS). In the mid-1990s, Honeywell developed an IMA architecture for business, commuter, and general aviation (Primus Epic). This presentation will cover the development of these systems and the requirements that influenced their design and the development of IMA standards.