



**E. Douglas Jensen's**  
*Real-Time for the Real World*

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***My personal manifesto about the widely misunderstood field of real-time computing...***

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## The Time/Utility Function Model of Real-Time

### Worked Examples

To illustrate the use of time/utility functions and utility accrual optimality criteria, we summarize two case studies that have been implemented and thoroughly evaluated. The material here is adapted from the references at the end of each example's summary, where additional detail can be found.

Both are DoD applications, and are notional so as to be unclassified. The first is an AWACS airborne surveillance tracking system, and the second is a battle management/command and control (BM/C<sup>2</sup>) system for coastal air defense.

[The AWACS Surveillance Tracking System](#)

[The Coastal Air Defense System](#)

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