

NASA SBIR/STTR Technologies Electronic Handbooks (EHBs)

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Identification and Significance of Innovation

Electronic Handbooks (EHBs) are Internet-based tools that support the paperless documentation and management of complex distributed processes (e.g., Grants/Contracts Management). Tools include user interface, backend, requirements capture, and demonstration software. Processes are represented as "Internet-based plays" where "actors" communicate thru the Internet. For each role, EHBs guide actors thru their parts.

The significance of EHBs is that they will 1) facilitate moving from paper processes to paperless processes, 2) improve end users interactions within complex processes, 3) foster process, system, and product improvements, and 4) reduce costs in the overall administration of processes.

Expected TRL Range at the end of Contract (1-9): 3-4

Technical Objectives

The Technical Objectives of EHBs are to facilitate:

1. paperless documentation and management of complex distributed processes,
2. system development -- requirements capture, system design, implementation, multi-developer coordination, software distribution, end-user learning, system documentation, system revisions, and system reuse for similar processes,
3. integration of independently developed subsystems, and
4. process and system improvement.

Work Plan

The Work Plan has the following tasks:

- Task 1. design/develop user interface tools,
- Task 2. design/develop backend software tools,
- Task 3. design/develop requirements capture tools, and
- Task 4. design/develop demonstration tools.



NASA Applications

SBIR Contracts , Grants , Contracts, Education Programs, Technologies, Datasets, Software, Documents, and Missions.

Non-NASA Applications

Education, Automobile Sales and Service, Health Episodes, Grants and Projects, Publishing Projects, Legal Cases, Policies, Credit Cards, Travel, Loans, and Construction Projects.

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Non-Proprietary Data