

NIST-DARPA Interagency Agreement: SLS Program

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Objectives:

- [1] To provide a central role in the design, development and distribution of speech corpora.
- [2] To design, coordinate implementation of, and analyze results of performance assessment tests for DARPA's Spoken Language Systems.
- [4] Coordinate Performance Evaluation Working Group activities for DARPA Spoken Language Systems and analyze the results of the June 1990 SLS tests.
- [5] Design improved test procedures and administer additional Resource Management and ATIS domain tests prior to the February 1991 meeting.

Recent Accomplishments:

- [1] Prepared the CD-ROM versions of the Resource Management (RM1) and Extended Resource Management (RM2) Corpora (a total of six discs) for use within the DARPA speech research community and for public distribution through the National Technical Information Service (NTIS). These discs include the scoring software and statistical significance tools for benchmark performance assessment tests.
- [2] Developed additional performance analysis tools and applied these to all Resource Management benchmark test results reported to NIST since March 1987.
- [3] Coordinated Performance Evaluation Working Group activities for the DARPA Air Travel Information System (ATIS) common task, and administered the first multi-site performance assessment test in this domain.

Plans:

- [1] Prepare the complete TIMIT corpus for release in CD-ROM.
- [2] Prepare the complete Pilot ATIS Corpus for release in CD-ROM.
- [3] Collaborate with others (e.g., CMU, and ((possibly)) NYNEX and IBM) in preparing other speech corpora for release in CD-ROM format.