



Russia,
St. Petersburg

Speech Technology Center

NESTOR

Distributed Speech Transcription System

Applications

Nestor is a Network based distributed transcription and documenting system, designed to make transcription faster, more efficient giving better quality. It provides automated workflow to multiple transcriptionists for fast documenting of large volume of speech. Nestor is applied in:

- ◆ Parliaments and Congress halls
- ◆ Academic Institutions
- ◆ Broadcasting Companies and News Agencies
- ◆ Transcription departments of companies
- ◆ And anywhere, where there is a demand to for text of recorded or live speech

Functional Overview

Sound recorded by sound stations and stored on sound server is distributed by editor or administrator in pieces between operators. Each operator type in transcription of one sound fragment. All fragments of sound and text are connected in a whole document with time marks allowing the checking of transcription quality. The whole text with sound is available at the editor's workstation to check and correct. All the workflow is automatically controlled by system and managed from administrator/supervisor workstation.

- ◆ **Faster Transcription**
Nestor helps to organize the work of the operators in the most rational way, so that even small team of typists can cope with large amounts of the speech data. Typists type in transcription using special text editor enabled with speech playback speed variability.
- ◆ **System Scalability**
The system is designed to meet requirements of documentation service in full. The system is fully scalable for large institutions.

Functional Overview

- ◆ **Playback speed changing**
This feature allows operator to choose the playback speed (using hotkeys) corresponding to speed of typing. When the speech is played at changed speed, it remains natural and intelligible.
- ◆ **Combined text editor and wave player**
For text input Nestor uses specially designed text editor with wave player functions. When operators input the text, they can control the playback to rewind, to loop the sound and to change the speed of playback. And of course text editor is enabled with spell checker, macros and formatting.
- ◆ **Text linked to sound**
An important feature of this editor is that text is automatically linked to the sound, making it very easy to find the speech corresponding to the certain fragment of text.
- ◆ **Why Nestor is useful?**
It allows to obtain full text transcription of an event (conference, speech, talks, etc.) in few minutes. Tens of speeches in parallel can be processed by operators of the system at the same time.



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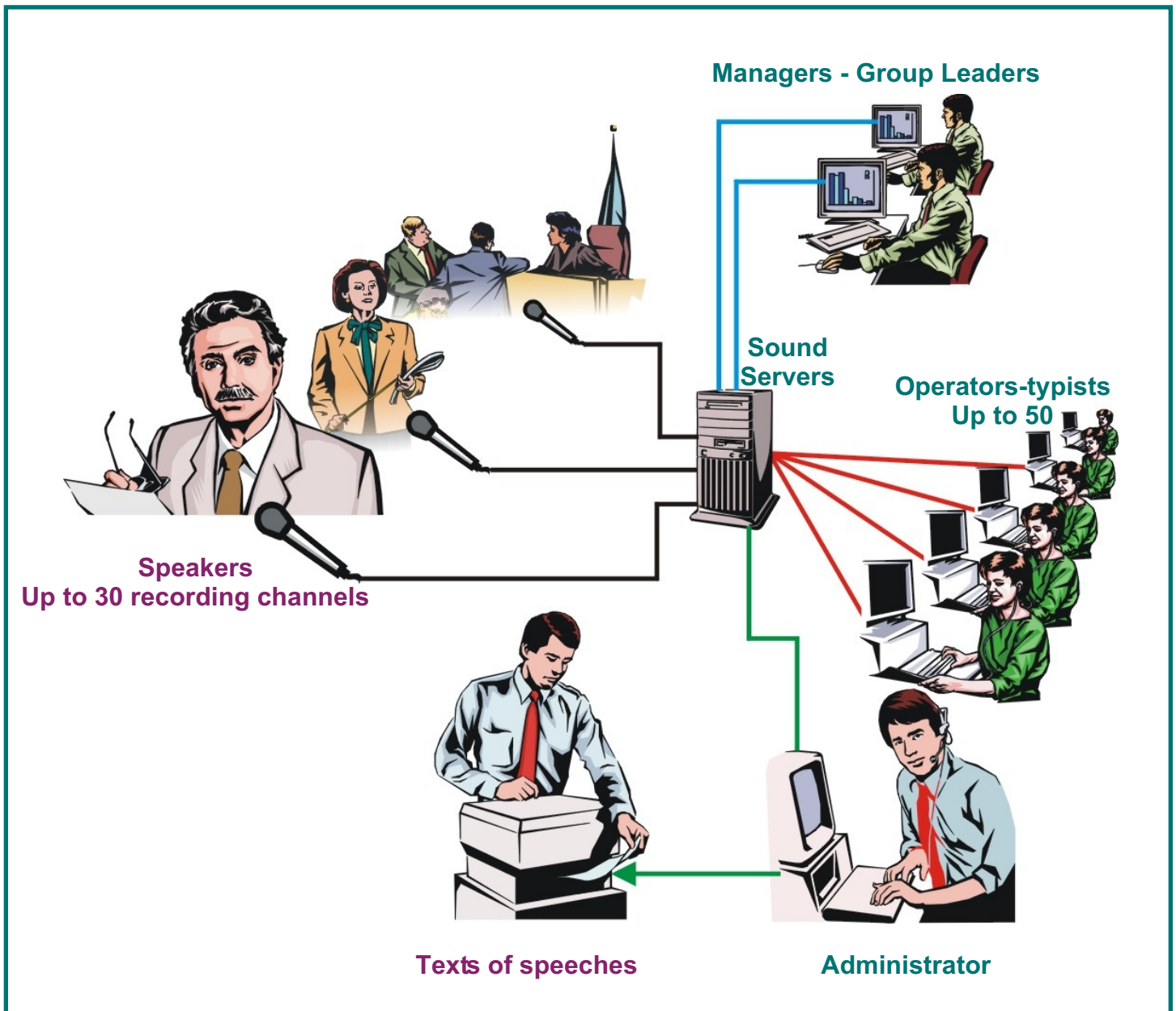
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Nestor Distributed Speech Documentation System Functioning Chart



Advantages

- ◆ Fully automated workflow.
- ◆ Parallel input from 30 mics - speech of 30 speakers can be processed simultaneously
- ◆ Workplaces of transcriptionists are optimized for maximum comfort and efficiency. The operators have different comfort features like Sound Stretcher and timbre adjustment.
- ◆ Based on TCP/IP LAN - allowing reduced installation costs
- ◆ Nestor has performance management, statistics and archiving features.
- ◆ Professional STC sound board - high quality sound input allowing to use long wires from the microphone to the sound board input (up to 200 meters)
- ◆ Fast transcription - full text of an event can be obtained in few minutes after the event is finished
- ◆ Information protection - operators can hear only small portions of speech and don't have access to the whole information.
- ◆ Date/time of sound events tracking