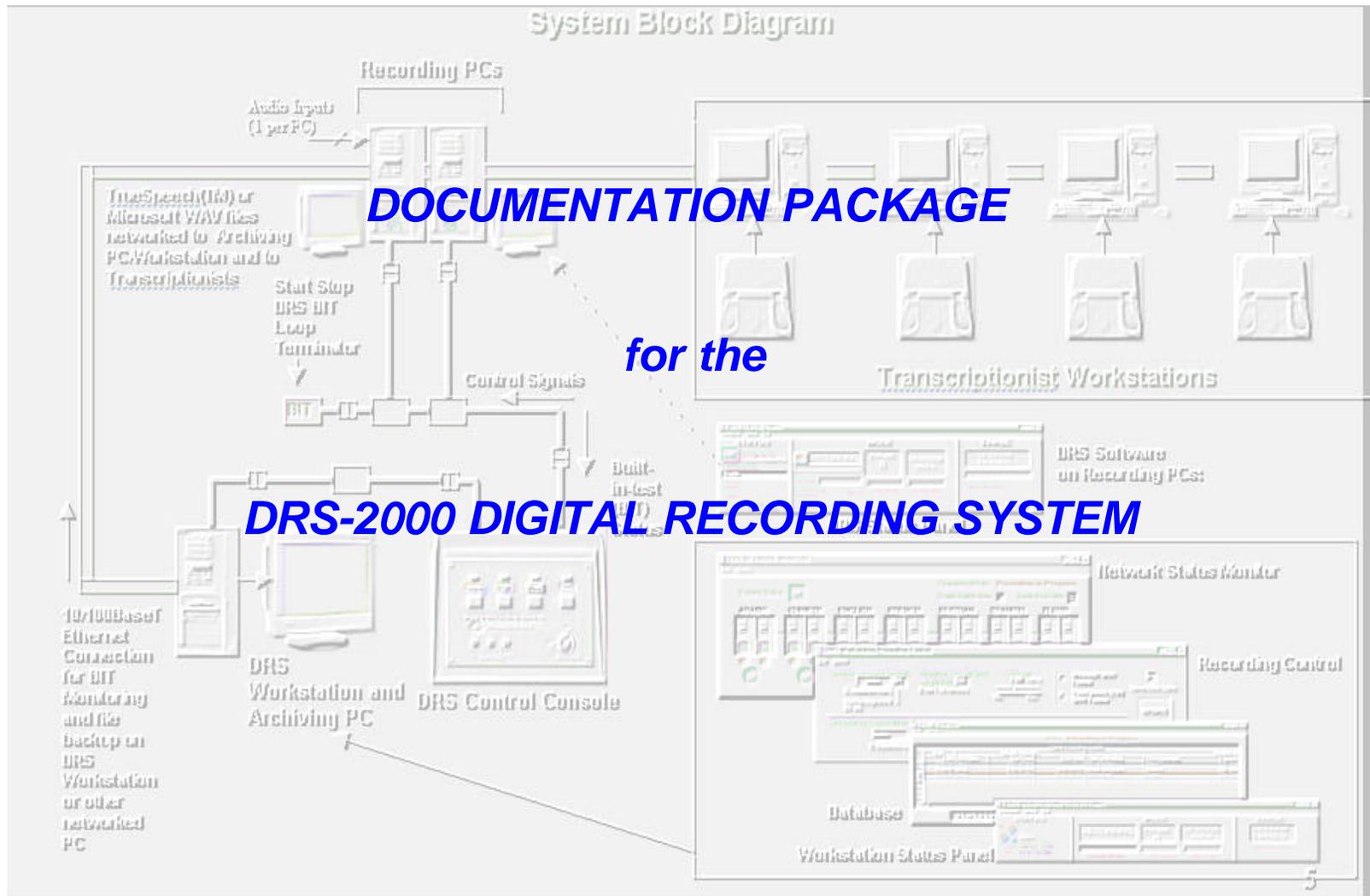




# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved





# **DRS-2000 Digital Recording System for the Parliament of Aruba**

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

---

## **System Description**



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## Outstanding Features

- Robust, reliable operation:**
- Recordings continue even when the network goes down (and they will go down!)
  - Operates independently of type of computer, networking used
  - Computers do not depend on each other for recording
  - Each computer is independently controlled by light (optical couplers) eliminating electrical co-interference, spikes, glitches, and lightning-induced transients
  - Operates with ordinary computers and sound cards - no proprietary PCs needed.
  - Full, continuous hardware and software built-in-test (BIT)
  - Automatic, continuous monitoring of all recording computers ensures that all machines are recording reliably.
  - Military aircraft-style control bus operates the recording computers reliably even under adverse conditions or partial failures.
- Universal, Open Standards:**
- All files recorded in Microsoft(TM) .WAV and TrueSpeech(TM) .WAV formats, which are playable on any Windows computer
  - Does not require the person playing the file back to have custom hardware or software



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## Outstanding Features- continued

### **Low Life Cycle Cost:**

- Low initial acquisition cost
- Operates independently of type of computer and networking used
- Proprietary computers or “maintenance” contracts not required

### **Longevity:**

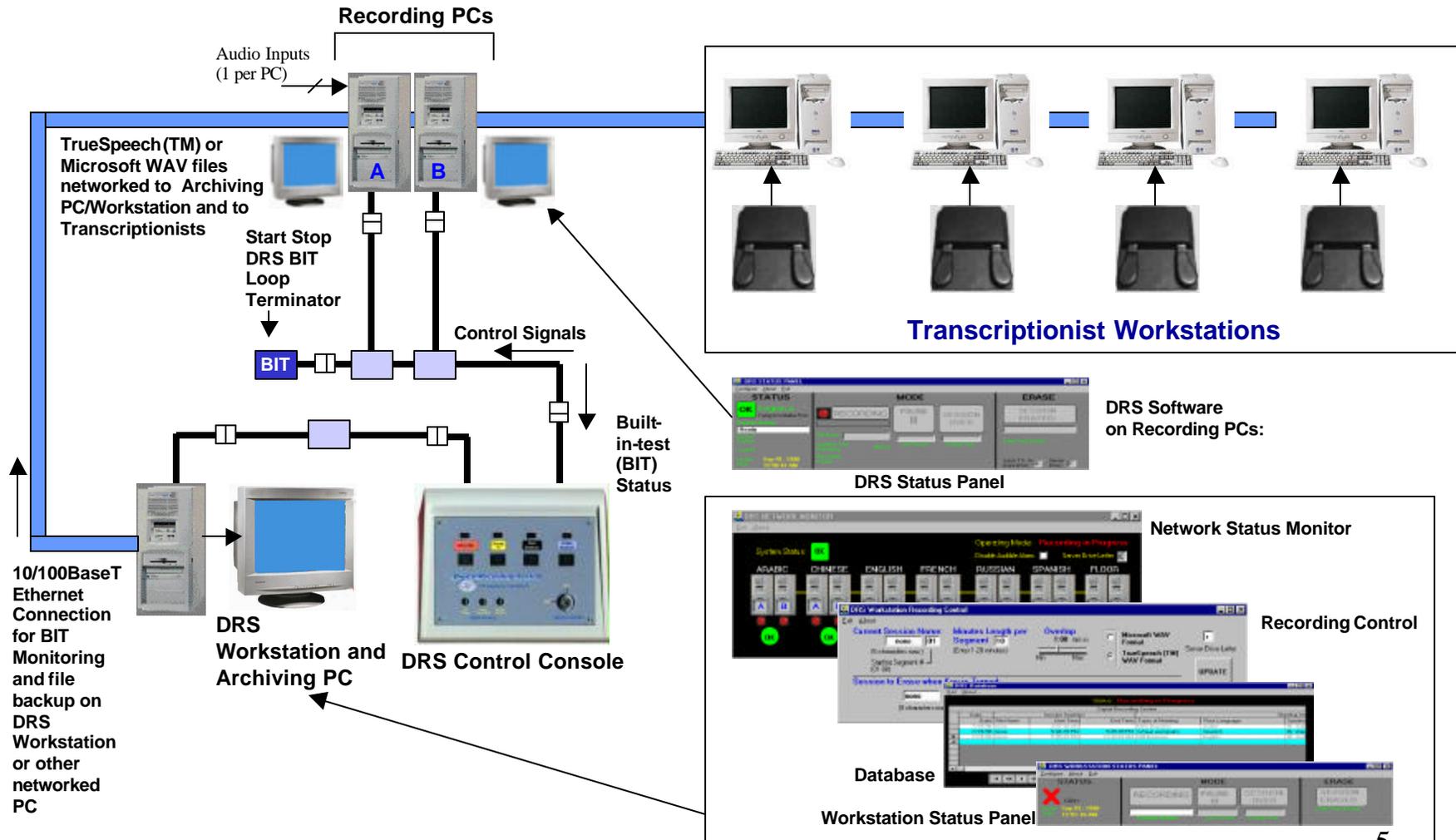
- Designed to operate reliably for many years
  - Gold contact million-cycle switches
  - Extremely low power consumption
  - Console control station uses an external UL-approved power module that is universally available
  - Optical coupled PC interfaces ensure that the computers will never be damaged from power-company voltage induced spikes or ESD(electrostatic discharge) via the Control Console
  - Optical coupled interfaces ensure that one computer cannot cause another computer to fail



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## System Block Diagram





# **DRS-2000 Digital Recording System for the Parliament of Aruba**

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

---

## **HARDWARE COMPONENTS**



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## DRS Control Console

### PUSHBUTTONS and INDICATORS

Record      Pause      End Session      Erase Session

### HARDWARE BUILT-IN-TEST (BIT) INDICATORS:

#### AC Power

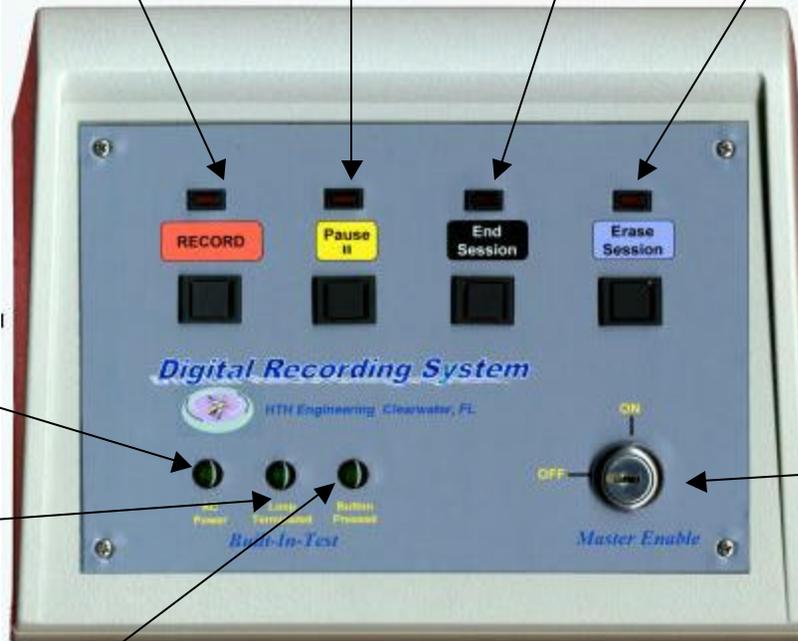
Indicator - shows that Control Console is receiving power

#### Loop Terminated

Indicator - shows that the control harness is properly connected

#### Button Pressed

Indicator - Validates each pushbutton press and verifies the corresponding control signals make it through to the end of the control harness



Master Enable Key  
Pushbuttons are disabled if key is in the "off" position



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## Start Stop DRS 4-Channel Interface to Recording PCs



- One Interface required per recording system
- Automatically pre-configures the recording PC to the language and Machine Type (Machine "A" or Machine "B")
- Connects to standard DB-9 Serial port on recording PC
- Provides serial data and BIT commands to recording PC
- Controlled via an internal optical coupler by the harness



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## Start Stop DRS 4-Channel SYSTEM MONITOR



-One Interface required per DIGITAL RECORDING SYSTEM

-Provides independent, real-time System Status Information (Record, Pause, Stop, and Erase) to the Workstation PC's Database and Network Monitor (BIT) applications

-Controlled by the DRS Control Console, and connected via serial port to the Workstation PC



# **DRS-2000 Digital Recording System for the Parliament of Aruba**

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

---

## **SOFTWARE COMPONENTS**



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## RECORDING PC's - Main Recording Software

### DRS Status Panel Layout and Functions

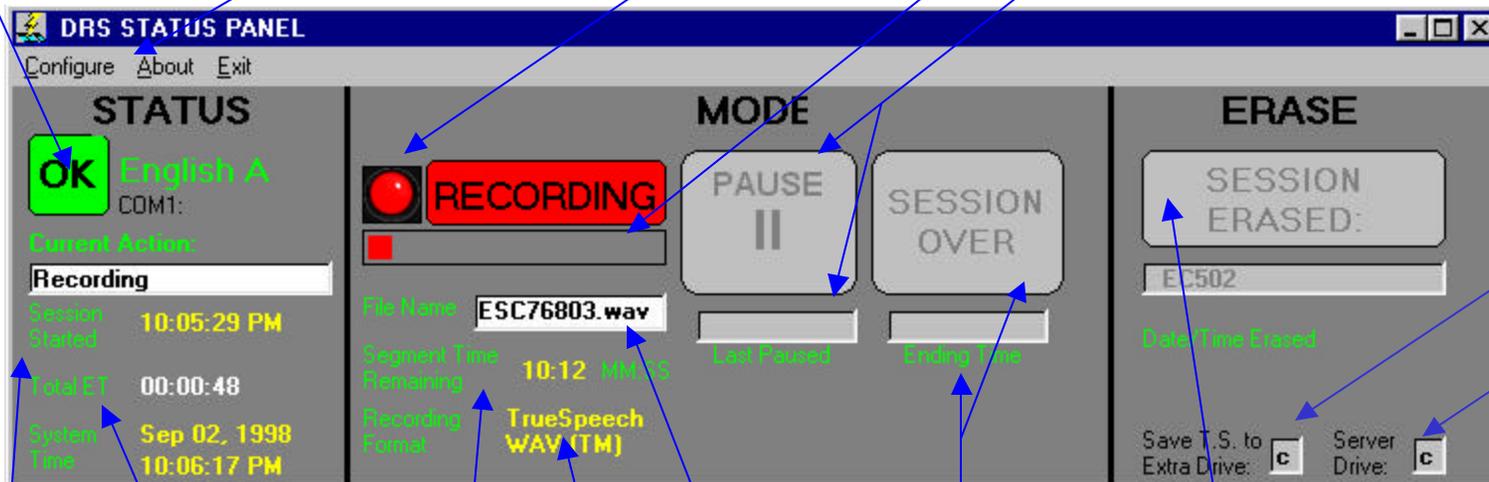
Built-in-Test listens to SSTI Controller at program start up and will show fault symbol if system is not ready

Configures COM Port Language, DRS Directory Name, and other parameters

Large red recording symbol and flashing LED illuminates during recording for at-a-glance status

Progress Bar visually shows % completion of each 12 minute (nominal) recording segment

Pause Symbol illuminates if recording is paused. Real-time indicator appears below to show actual time the pause began



Lets you specify any additional drive path for saving TrueSpeech files, such as a floppy or remote server

New recordings are always saved to the local Recording PC's hard drive as well as to the server drive shown here.

Time the current session began

Total elapsed time since the recording session began. When paused or ended, the ET counter stops.

Current time and date, as provided by the PC's system clock

Segment time remaining. Counts down each recorded segment.

Displays current recording format: TrueSpeech or Microsoft .WAV

Current file name being recorded. "???" progresses from 00 to 99 during a session

Session End Symbol illuminates if operator has terminated the recording session. Real-time indicator appears below to show actual time the session was ended.

Session Erased symbol appears when operator erases a previously specified session and turns the erase key on the control panel. Status Panel will show file to be erased before erasure. When erase key is actually turned, the SESSION ERASED symbol will go from a "gray out" condition to illuminated, and the Date/Time Erased area will show when the erase key was actually turned.



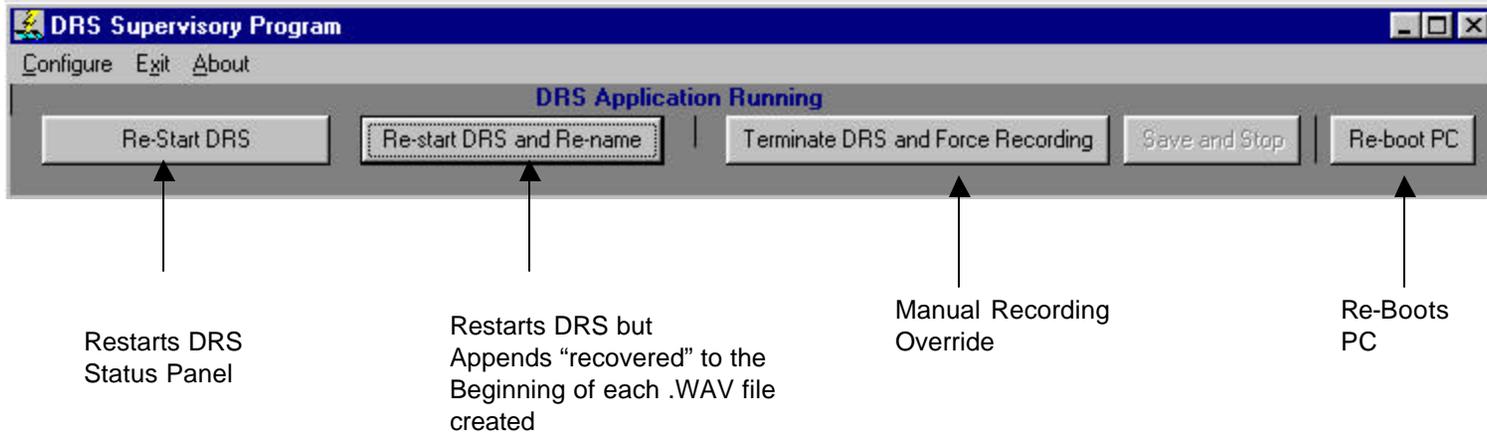
# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## RECORDING PC's – DRS Supervisor

-Launches the DRS Status Panel Software Automatically

-Shortcut to DRS Supervisor.exe should be located in the Windows Start Up Menu.





# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## WORKSTATION PC - Controls all parameters for the next Recording Session

### DRS Workstation Recording Control

Enter the name of the Current Recording Session here. You may also specify the Starting Segment number from 01 to 98. For example, if the Current Session Name you choose is "TEST" and 01 as your starting segment, then the first file recorded will be called "TEST01.WAV", and then "TEST02.WAV", and so on. The default Starting Segment is always "01"

Enter the length of each Recording Segment here in whole minutes, from 1 minute to 20 minutes. Default value is set to 10 minutes.

Sliding Adjustment allows you to set the amount of recording overlap between the two Recording PCs in minutes and seconds. The "Min" amount is 1 second. The "Max" limit is set in proportion to the length of the Recording time that you have set.

Selects whether the recording will be in standard Microsoft WAV format (11KHz, 8 bit, mono) or TrueSpeech(TM) compressed WAV format

Nominal server drive letter = "r:". If you enter another drive letter here (e.g. "s") before clicking on UPDATE, the recording configuration file drs.cfg will be sent not only to the local hard drive root (c:) of the machine on which you are running this Console, but also to the root of the entered drive (e.g. "s:\").

**NOTE: The Recording Control may be co-located on the DRS Workstation/Server (recommended) or it may be located on a remote, independent machine if desired**

Enter the name of a recording session here that you want to erase, and then click on the UPDATE button. Then, the next time the DRS Control Console ERASE pushbutton is physically pressed, all Recording PCs will simultaneously erase all file recordings in all languages that start with that particular name.

Click this button once you have everything set up the way you want it. The Recording PCs will then be able to "read" the drs.cfg file that is created on the "Server Drive"



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## WORKSTATION PC - Maintains a Database of all Current and Past Recording Sessions

### DRS Database

-The database file is saved in a standard Microsoft Access (.MDB) format for easy access, review, and editing by other popular database programs.

Every time the operator initiates a new Recording Session by pressing the RECORD pushbutton on the DRS Control Console, the data base automatically reads the drs.cfg file from the server, and fills in the first three columns.

When the operator presses the END SESSION pushbutton on the DRS Control Console, the End Time column is automatically filled in. Database is automatically updated at this time and saved.

Status Indicator reads the current state of the DRS Control Console and displays it here.

Date	File Name	Start Time	End Time	Topic of Meeting	Floor Language	Meeting Information
7/19/98	testa	2:51:32 AM		New Business	Arabic	Mr. Gaff
7/19/98	testa	5:04:29 PM	5:05:09 PM	Wheat and grains	Spanish	Mr. Zap
7/19/98	testa	5:05:22 PM	12:32:42 AM	Old Business	English	Mr. Smi

Database Navigation Bar

Move back in the database records

Manually add or delete records to the database

Date of database record (row) that is currently selected (shown by ► symbol)

Search by any column for keywords, text, or boolean combinations

Move forward in records

Manually update database by clicking here, if you have added data to the database after the recording has finished, or if you're going back later to make corrections

Scrollbar allow you to access Meeting Information columns easily

User may enter any data about the speech or meeting in these columns, either during or after the meeting.

**NOTE: The DRS Database may be co-located on the DRS Workstation/Server (recommended) or it may be located on a remote, independent machine if desired**



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

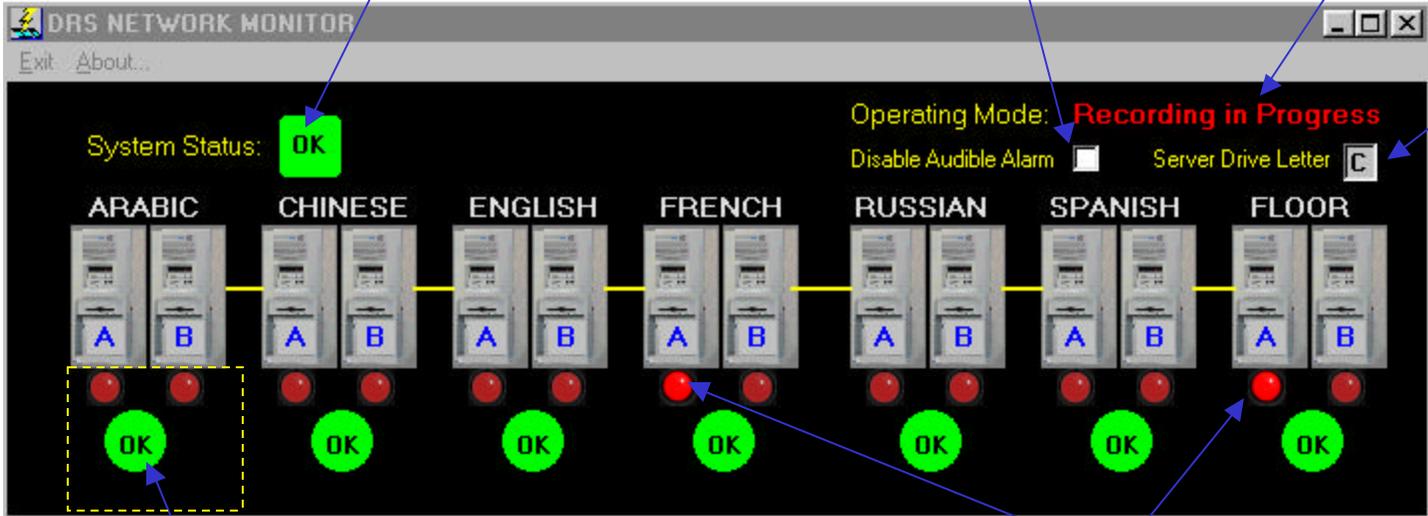
## WORKSTATION PC - At-a-Glance Graphical Status of the System's Health

### DRS Network Monitor

Overall System Health Indicator  Fault symbol and audible alarm commence if any PC in system has a fault

Check this box if you don't want to hear the audible alarm from the Workstation when a System Fault is detected.

Status area shows the current system operating mode



The Network Monitor application normally resides on the "Server" (i.e. Workstation), so its drive letter =C. However, the Network Monitor may be located remotely on another PC other than the Workstation if desired, and then path letter of the Server would be entered here (e.g. 'R')

1). Status Indicator Area for each Recording PC language pair. OK indicates that Machine "A" and "B" both are ready to record or are recording correctly. The system continuously monitors a "heartbeat" from each PC every few seconds.

2).  Machine "A" is not providing a "heartbeat" that says that it is capable of recording

3).  During "Recording in Progress" Mode, neither Machine "A" or "B" is actively recording

LEDs flash on and off when recording is actually taking place on a given machine during "Recording in Progress" mode.

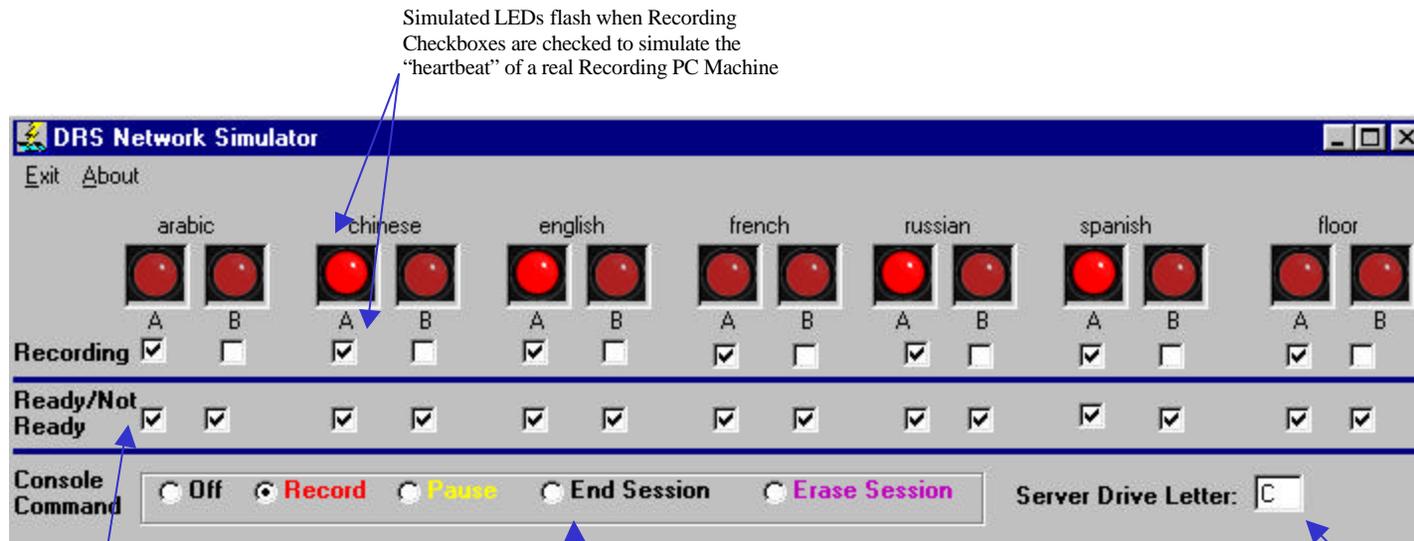
**NOTE: The DRS Network Monitor may be co-located on the DRS Workstation/Server (recommended) or it may be located on a remote, independent machine if desired**



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## WORKSTATION PC - Simulates Entire Network for Troubleshooting or Partial Language Operation



Simulated LEDs flash when Recording  
Checkboxes are checked to simulate the  
"heartbeat" of a real Recording PC Machine

Fault Simulator Area allows you to simulate a "bad" Recording PC for troubleshooting purposes. Checking the box means that the PC is READY.

Simulates the SYSTEM MONITOR box and DRS Control Console for testing purposes.

The Network Simulator application normally resides on the "Server" (i.e. Workstation), so its drive letter =C. However, the Network Simulator may be located remotely on another PC other than the Workstation if desired, and then path letter of the Server would be entered here (e.g. 'R')

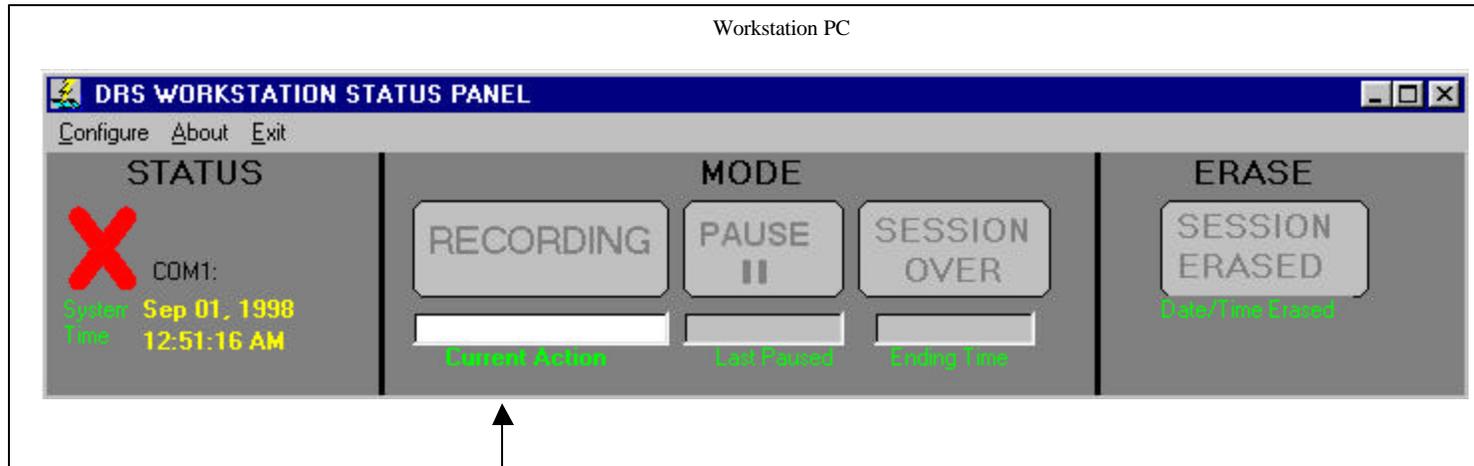
-PARTIAL LANGUAGE OPERATION: For example, suppose the Chinese machine is not intended to be used, but the Network Monitor will continue to beep and show a fault condition. To eliminate this, launch the Network Simulator and un-check every box. Now add checkmarks to Chinese Recording "A" and Ready/Not Ready Chinese "A" and "B". The Network Monitor will be "fooled" into thinking that the Chinese Machine is running normally, and will not show any alarms or faults during your recording session.



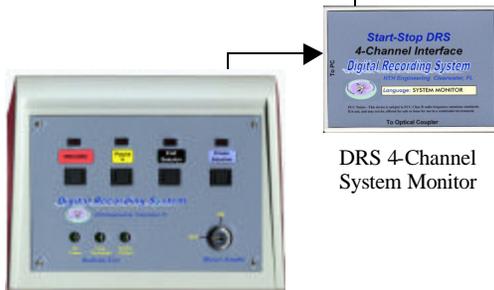
# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## WORKSTATION PC - Status Panel Shows Current State of Control Console Status Panel for Workstation



Record, Pause, Session Over and Session Erased status sent to root of c:\ on the Server. (Workstation). This status is used by the DRS Network Monitor and DRS Database to obtain an independent check of the Network actions in progress.



DRS 4-Channel System Monitor

-The DRS Workstation Status panel is independent of the rest of the Digital Status System, and reads the user's button presses from the DRS Control Console.

-Independent status is provided by the DRS 4-Channel System Monitor interface hardware, that is connected to the Workstation.

**NOTE: The Workstation Status Panel must be co-located on the DRS Workstation/Server**



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## “Super User” Features

### DRS Status Panel

- To operate in Super User mode:
- 1). Click and drag the mouse pointer on the bottom edge of the DRS Status Panel Window to expand it vertically.
- 2). Check the small box next to “Super User”.

Current drs.cfg data as read from the Server by the DRS Status Panel

Real-time event log can be viewed and scrolled

Print event log to printer

Erase all Recordings in all languages on this Recording PC with the File Name currently chosen.

**STATUS**

**MODE**

**ERASE**

Save T.S. to Extra Drive:  Server Drive:

Update Now Update Now

Print Current Event Log to Printer Erase Session Now Erase SERVER Copies of Filename!

end of TS CVT  Now waiting intervals  server drs.cfg file time stamp   Super User

drs.cfg current stamp  drslaststamp  Diagnostics # (Label42)

currentstate imconvertingnormally sessionflag endstate waitafterpause imdefault defaultflag

started False 0 False False False True

**FLAGS**

Instantly Update Drive Letters without Re-running the DRS Status Panel Application

Observe low-level Windows OS Messaging here

Erases all copies of recordings that are on the Server with the current File Name

Software Flag Diagnostics Parameters (Real Time)



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## “Super User” Features

### DRS Database

- To operate in Super User mode:
- 1). Click and drag the mouse pointer on the bottom edge of the DRS Status Panel Window to expand it vertically.
- 2). Check the small box next to “Super User”.

The screenshot shows the 'DRS Database' application window. At the top, it says 'Status: Recording in Progress'. Below that is a table titled 'Digital Recording System' with columns for Date, File Name, Start Time, End Time, Topic of Meeting, Floor Language, and Speaker. The table contains three rows of data, with the second row highlighted in cyan. Below the table is a control panel with various buttons and input fields. A 'Total Starting Records: 3' label is visible on the left. There are also buttons for 'Delete Last Record', 'Set start date, filename, and start time Now', and 'Set End Time Now'. A 'Superuser' checkbox is checked.

Date	File Name	Start Time	End Time	Topic of Meeting	Floor Language	Speaker
7/19/98	testa	2:51:32 AM		New Business	Arabic	Mr. Gaff
7/19/98	testa	5:04:29 PM	5:05:09 PM	Wheat and grains	Spanish	Mr. Zap
7/19/98	testa	5:05:22 PM	12:32:42 AM	Old Business	English	Mr. Smit

View total number of records that are already saved to the hard drive.

Scroll through database records and delete them

Enter any date, filename and start time then click the button to force entry of a recording date, filename, and start time.

Enter any end time and then click the button to force entry of a recording end time.



# **DRS-2000 Digital Recording System for the Parliament of Aruba**

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

---

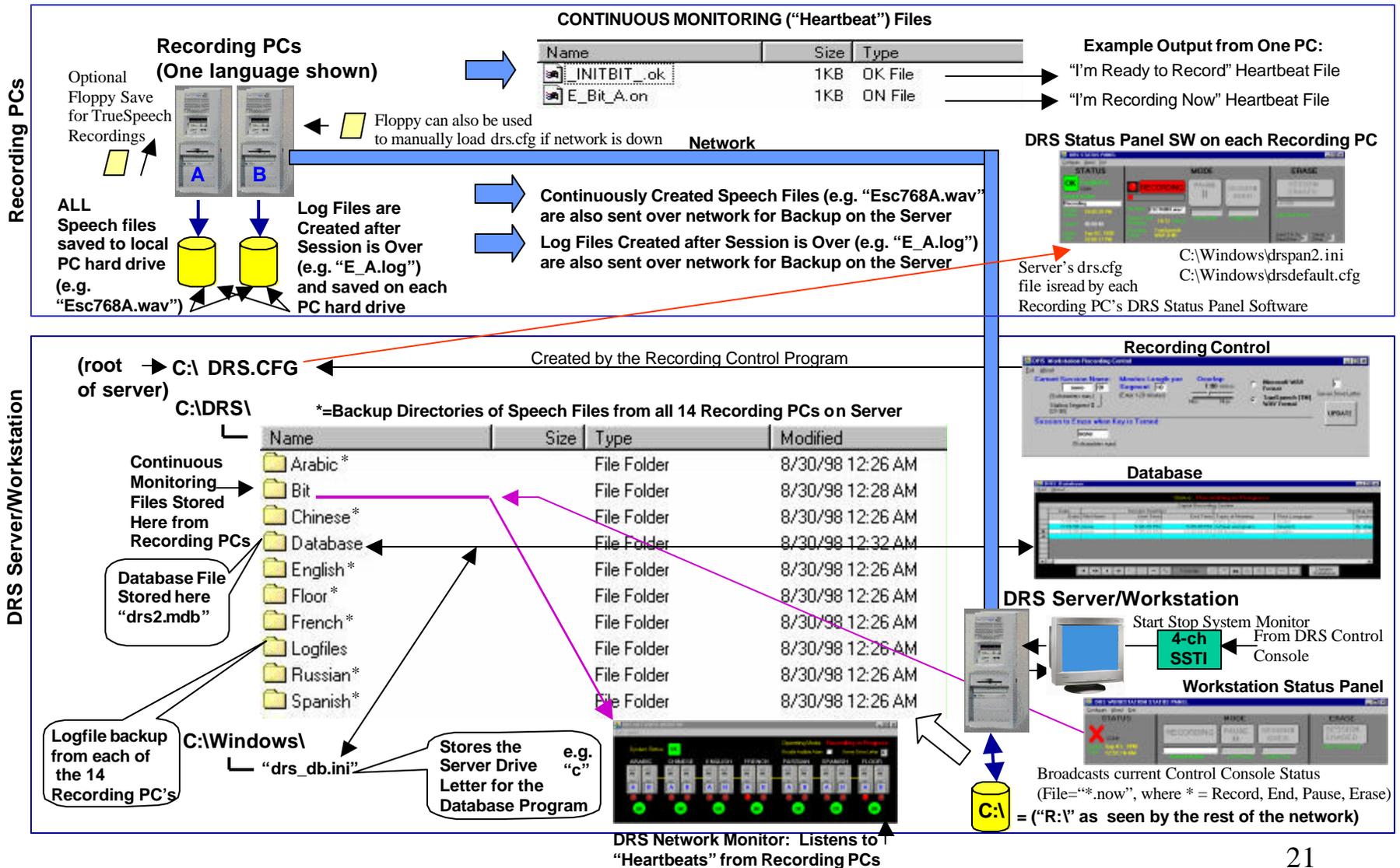
**TECHNICAL DETAILS ON FILE I/O**



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## Overall File Transfer Roadmap





# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

---

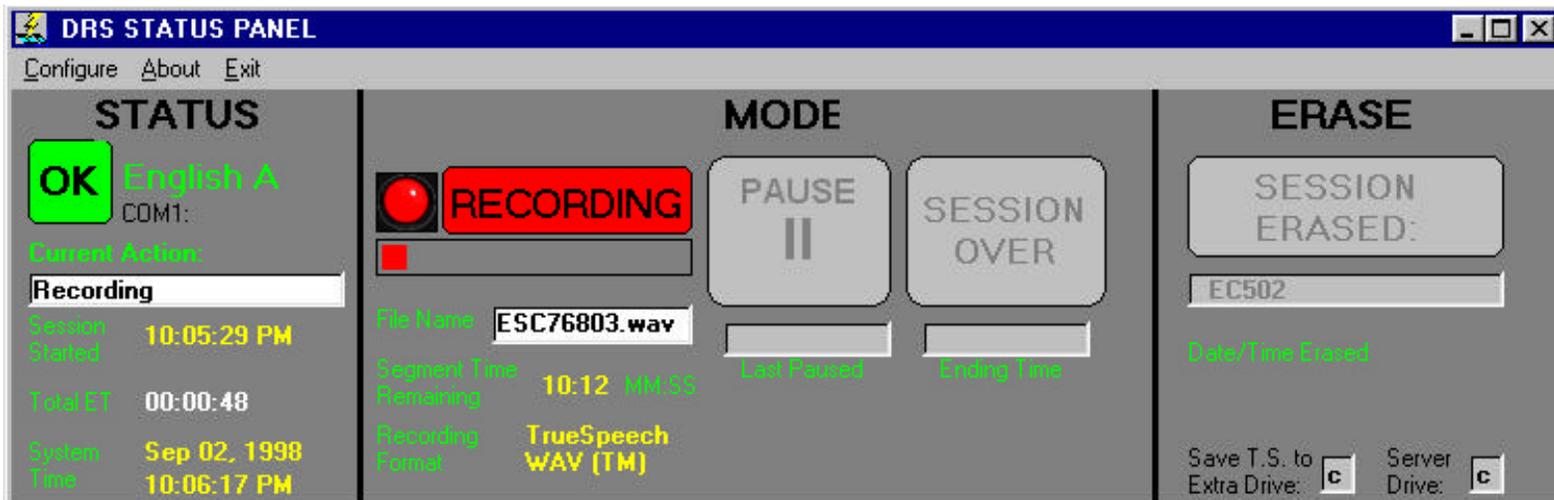
## DRS STATUS PANEL FILE I/O



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

1) The DRS Status Panel executable (“DRS Status Panel.exe”) when launched, will look for the server’s “drs.cfg” file, and will be looking for it to be on drive “R:\” in the root level. If it can’t find it, it will then give dialog boxes asking you if you want to use the default local cfg. File. The DRS Status Panel should look like this (except for the filenames, which may be different than shown):





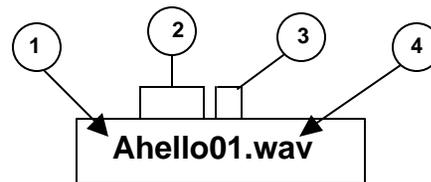
# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

2) When the DRS Status Panel starts running, it creates the following subdirectories on both the local recording PC under “C:\DRS”, as well as on the server’s hard drive, under “R:\DRS:”.

Name	Size	Type	Modified
Arabic		File Folder	8/30/98 12:26 AM
Bit		File Folder	8/30/98 12:28 AM
Chinese		File Folder	8/30/98 12:26 AM
Database		File Folder	8/30/98 12:32 AM
English		File Folder	8/30/98 12:26 AM
Floor		File Folder	8/30/98 12:26 AM
French		File Folder	8/30/98 12:26 AM
Logfiles		File Folder	8/30/98 12:26 AM
Russian		File Folder	8/30/98 12:26 AM
Spanish		File Folder	8/30/98 12:26 AM

Recordings are initiated as a series of sequentially numbered file names when the user presses “RECORD” on the console. The files are automatically copied as they are created to both the local recording PC’s hard drive, as well as to the Server’s hard drive. The File Naming convention is as follows:



File name example

1. First letter represents the language or audio source of the recording:  
A=Arabic, C=Chinese, English, “\_” (underscore) =Floor, F=French, R=Russian and S= Spanish.
2. Session Name entered from the DRS Workstation Console: Up to 5 alphanumeric characters long.
3. Sequential recording segment number. Automatically assigned by the DRS recording system.  
Odd numbers (01,03,05...) come from Machine “A”, while even numbers (02, 04, 06...come from Machine “B”.
4. File name extension: “.wav for recordings, or “.log” for Logfiles.



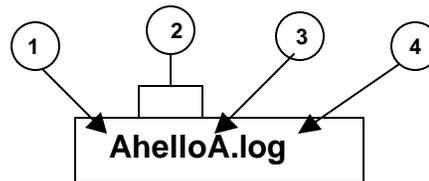
# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## 3) LOGFILES

During a recording session, a “log file” is created. At the end of the recording session, the logfile is automatically copied to the directory “C:\DRS\Logfiles” on both the local recording PC, as well as to the server.

The file naming convention is:



1. First letter represents the language or audio source of the recording:  
A=Arabic, C=Chinese, English, “\_” (underscore) =Floor, F=French, R=Russian and S= Spanish.
2. Session Name entered from the DRS Workstation Console: Up to 5 alphanumeric characters long.
3. Source of the logfile: Machine “A”= “A”, and Machine “B”=“B”
4. File name extension: always “.log” for Logfiles.

The logfiles are created in plain-text format (ASCII) and can be read with the Notepad application in Windows. The logfiles provide date-time event stamps and document every action the user or the DRS recording software generated during a recording session. The logfiles are compact, and can be viewed or e-mailed when technical support is required.



# DRS-2000 Digital Recording System for the Parliament of Aruba

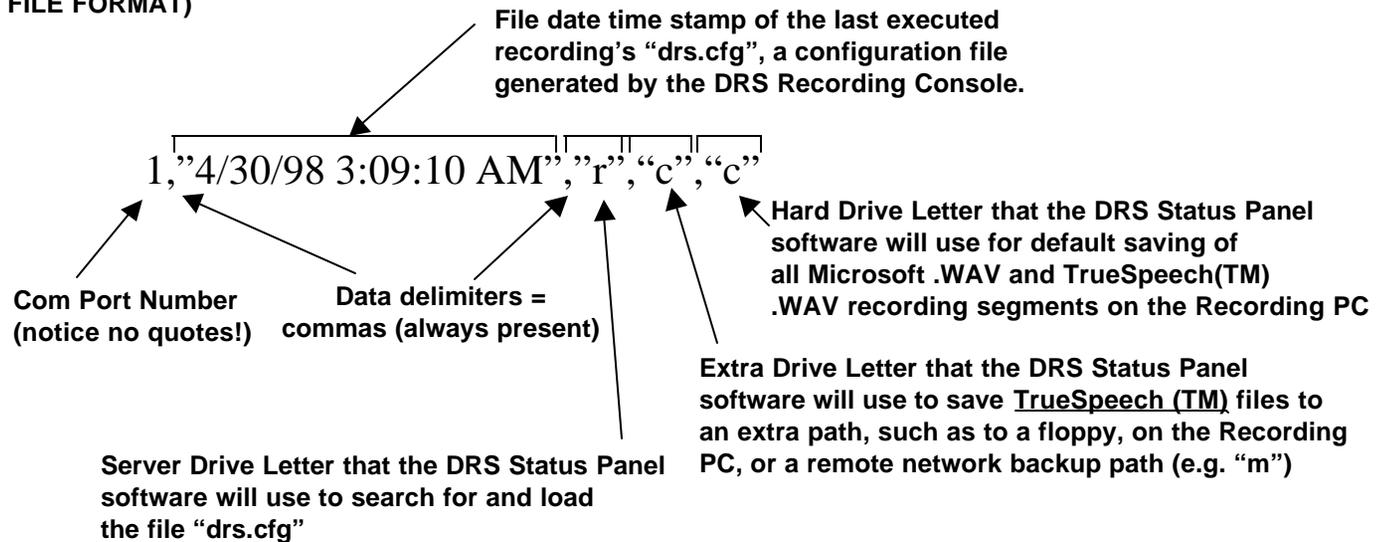
HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## 4) Configuration and INI Files

### A.) "DRSPAN2.INI" -Used by the DRS Status Panel

During installation, this file is copied to the Windows directory, normally C:\Windows. The file is automatically updated each time "DRS Status Panel.exe" runs, and is saved upon exit or shutdown with the most current configuration.

(ASCII TEXT FILE FORMAT)





# DRS-2000 Digital Recording System for the Parliament of Aruba

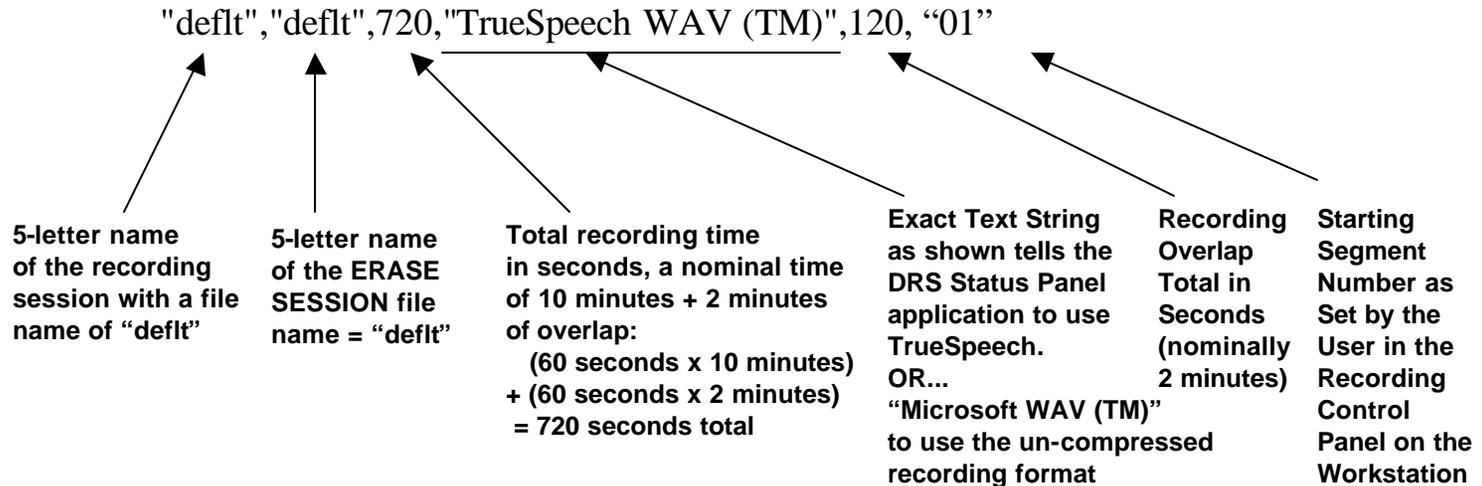
HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## 4) Configuration and INI Files (continued)

### B.) "DRSDEFAULT.CFG" -Used by the DRS Status Panel

During installation, this file is copied to the Windows directory, normally C:\Windows. It is a backup (data source) file that is copied to the local hard drive root and renamed as "drs.cfg" (c:\) and used in cases where the DRS Status Panel cannot find the server's hard drive root (e.g. "r:\) copy of the file "drs.cfg". The DRS Status Panel will alert the operator that it can't find the server file drs.cfg, and will ask if they want to load the "default" configuration for this recording, or else manually copy a "drs.cfg" file in the root of the local hard drive via floppy or otherwise.

(ASCII TEXT FILE FORMAT)





# DRS-2000 Digital Recording System for the Parliament of Aruba

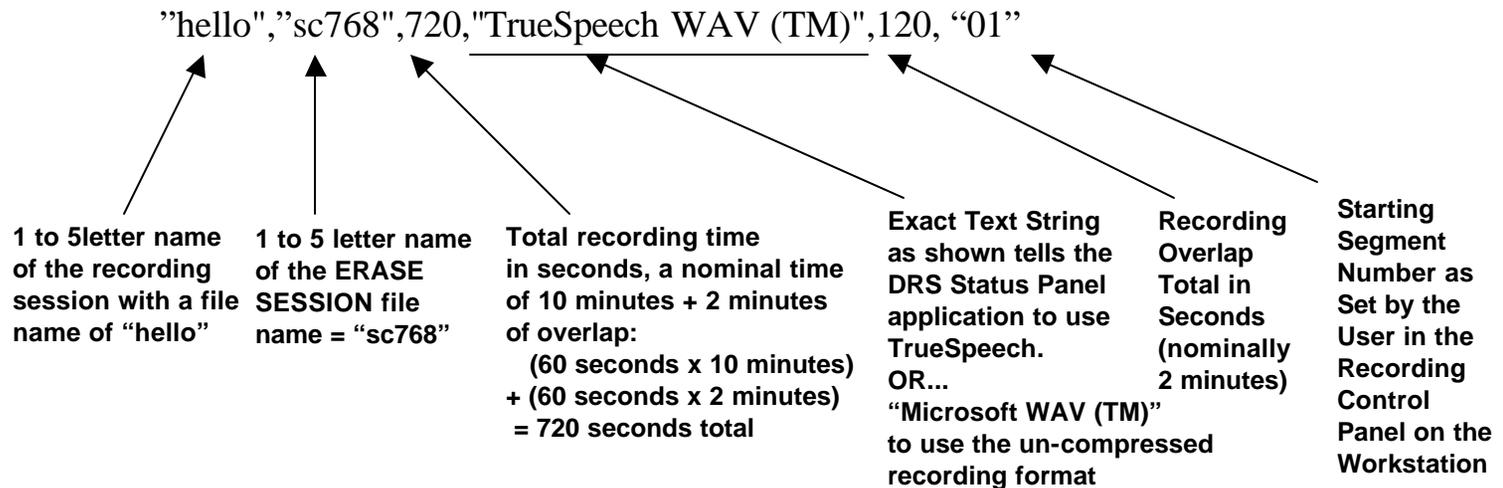
HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## 4) Configuration and INI Files (continued)

### C.) "DRS.CFG" -Generated by the DRS Recording Control Software

This file is generated whenever the operator clicks on the UPDATE button on the DRS Recording Control application. The nominal drive letters to which this generated file is sent = "r:\\" and the local hard drive "c:\\". If you enter another drive letter in the "Server Drive Letter" box (e.g. "s") before clicking on UPDATE, then recording configuration file drs.cfg will be sent not only to the local hard drive root (c:\) of the machine on which you are running the DRS Recording Control application, but also to the root of the entered drive (e.g. "s:\").

(ASCII TEXT FILE FORMAT)





# DRS-2000 Digital Recording System for the Parliament of Aruba

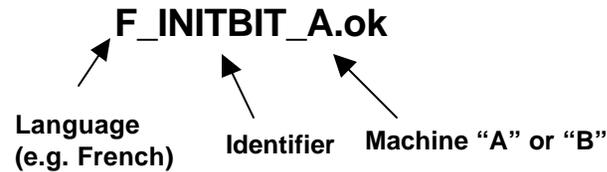
HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## 4) Configuration and INI Files (continued)

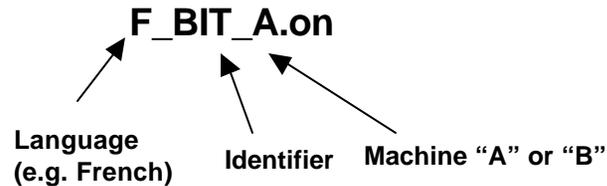
### D.) BIT FILES -Generated by the DRS Status Panel

These 1-byte long files are automatically generated and deleted on the Server's r:/DRS/BIT subdirectory about once per second to form a "heartbeat" signal whenever the DRS Status Panel is running. This heartbeat is detected by the Network Monitor and reports the health status of each Recording PC:

#### "I'm Healthy and Ready to Record" file:



#### "I'm Actually Recording Now" file:





# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

---

## DRS DATABASE FILE I/O



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## Configuration and INI Files:

### A.) “drs\_db.ini” FILE-Generated and read by the DRS Database

This file normally resides in the c:\Windows directory of the PC in which the DRS Database application is stored. It tells the Database program the path where to look for the database itself, stored in the /DRS/Database subdirectory as “drs2.mdb”.

File contents (ASCII): “C”

### B.) “drs2.mdb” FILE-Read and modified by the DRS Database

This file normally resides in the (server drive:)/DRS/Database subdirectory as “drs2.mdb”. It contains the entire database for all Recording Sessions. It is a standard Microsoft (TM) Access Format Database file, and may be read or edited by Microsoft Access or other applications that can read the .mdb format.



# **DRS-2000 Digital Recording System for the Parliament of Aruba**

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

---

## **DRS WORKSTATION STATUS PANEL FILE I/O**



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## Communication File:

The Workstation Status Panel's function is to independently communicate the current state (last button pressed) of the DRS Control Console. This information is communicated to the DRS Network Monitor and DRS Database applications via the (server drive:)/DRS/BIT subdirectory. A single 1-byte long file is dynamically created and deleted to reflect the current state of the DRS Control Console:



One and only one of these files will appear in the (server drive:)/DRS/Bit subdirectory at a time.



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

---

## NOTES



# DRS-2000 Digital Recording System for the Parliament of Aruba

HTH Engineering, Inc. 1827 Juanita Court, Clearwater, FL 33764  
© 2000 All Rights Reserved

## NOTES

- 1) Logfiles are not erased; they accumulate until you manually erase them. If the same session name is used over again (another recording is made with the same file name as previously, using the UPDATE button to purposely record on top of the old one), the logfile will overwrite the previous logfile of the same name when the recording is over
- 2) Server Recordings will not be erased.
- 3) If a new recording session is initiated without changing the session name first, the DRS Status Panel will refuse to record over the existing session. However, if you click on the UPDATE button in the DRS Recording Control panel without changing the session name, then the DRS Status Panel will allow you to record over the existing files. If you do this, please note that currently the software overwrites the existing recordings on a one-by-one basis. It does not carte-blanche erase the previous recording session files before it begins. If "Suppress Warnings" is un-checked on the DRS Status Panel Configure menu, then the system will overwrite existing recordings with the same name, without asking first.
- 4) Be sure that the recording PCs have had Windows (TM) installed with all multimedia options checked. To verify, go to START, SETTINGS, CONTROL PANEL, ADD/REMOVE PROGRAMS, then WINDOWS SETUP. Make sure that all MULTIMEDIA options have been installed & checked (Click on DETAILS).