

Difference List Tool User Guide

For approval and authorisation of this document, please refer to the IECC Applications Manual Contents, RT/E/S/10040.

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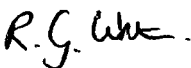
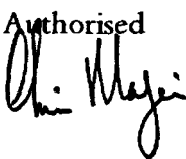
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1 Glossary

SDS	Signalling Display Subsystem.
DIS	Displays Subsystem (an updated SDS).
TCP/IP	Transmission Control Protocol/Internet Protocol

2 Introduction

The SDS Difference List Tool, WINSDSPT, is a program designed to detect differences in the IECC SDS screen picture data between two input files and show these differences in an understandable format. This will cut the amount of time required to re-test SDS picture data when changes are made.

SDS relational data S-records are used as the source data for the tool. These records are used because the data has been through all the compilation stages and is ready to be put onto the EPROMs at this point. This gives increased confidence in the validity of the results as a true picture of what will appear on the final system.

Four data areas are extracted from the S-records:

- A table of pointers

- A list of picture list names called LISTDIR

- A list of data associated with the picture names called LISTDATA

- A list of primitive drawing elements used by the data in LISTDATA called TABLEDATA

These data are decoded and displayed in a similar format to that used in the "CREATE" picture drawing package.

3 Installation

3.1 SYSTEM REQUIREMENTS

The program requires a PC running Windows 3.x. It is required that the PC is a 386 or better, with at least 4Mbytes of RAM, a VGA display and several Mbytes of spare hard disk capacity. As this is a Windows program it will yield control of the processor co-operatively to allow other programs to run at the same time.

3.2 INSTALLATION PROCEDURE

Installation will take about 5 minutes to complete and normally requires little intervention from the user. To install the program place the BRR WINSPTSPT product disk in the floppy disk drive. Using the "**File Manager**" select the floppy disk drive and run (double click on) the "SETUP.EXE" file. The installation program will now run and a series of prompt screens will appear.

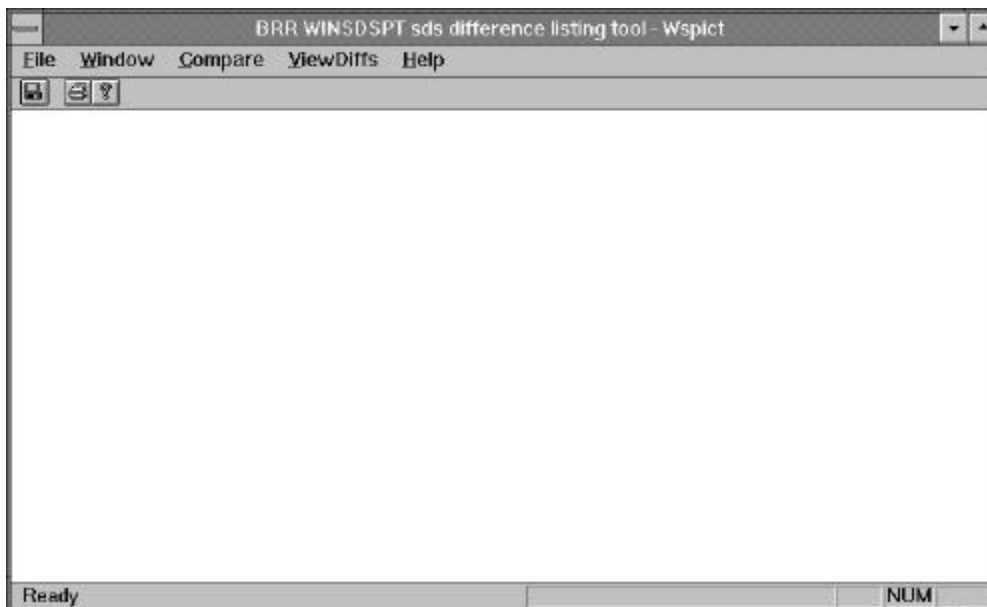
The first screen displays a welcome message, press (click on) the **continue** button to proceed with the installation. Next a screen appears which prompts for the installation directory. Select the required directory or accept the default (in which case the software will be installed on C:\DEMO). When **continue** is pressed the program will install. If successful a new program group will be created called "BRR TOOLS" and the program icons inserted into the new group.

4 Running The Program

This section assumes that Windows is running and that the user is familiar with the terminology.

The SDS difference Tool (WINSPTSPT) requires S-record data from the SDS build /data preparation process. Two sets of data are required, reference and test data sets. The file required is called **data.mx** which is the output from the data preparation ASSTEST program and becomes the input to the build process. This file is an S-record ASCII format file and as such can be transferred between different operating systems. The suggested method of transfer is via TCP/IP over a network between the Unix data preparation/build machine and the PC. Different versions of the file can be obtained from the different releases of data. Thus, an old data release can be accessed to obtain the reference data set and the current (new) data release can be accessed to obtain the test data set.

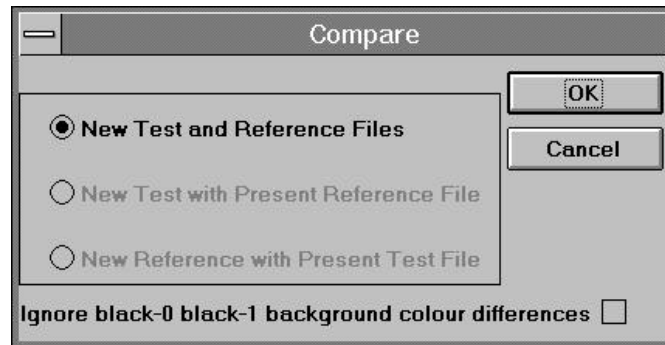
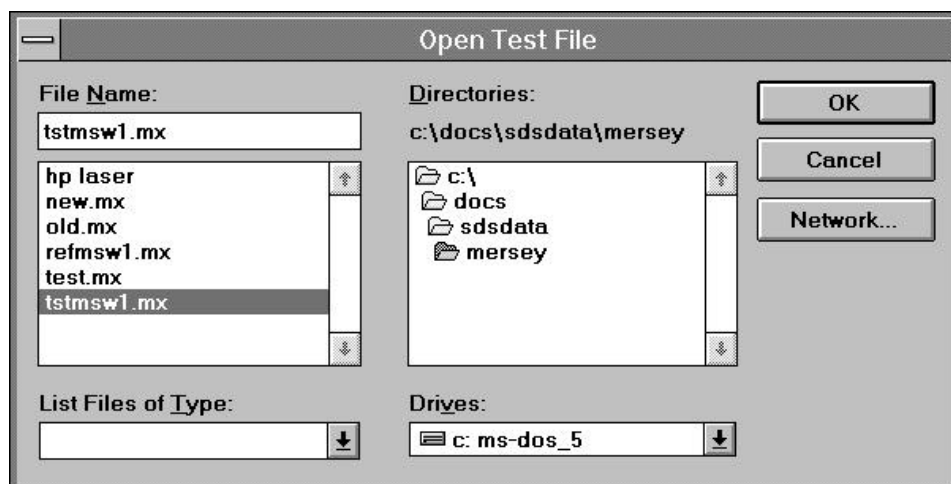
From the program manager select the "BRR TOOLS" group. Now run the WINSPTSPT icon which will start the SDS differencing tool program (Winsptspt). The main menu contains a number of options, **File**, **Window**, **Compare**, **ViewDiffs**, and **Help**.



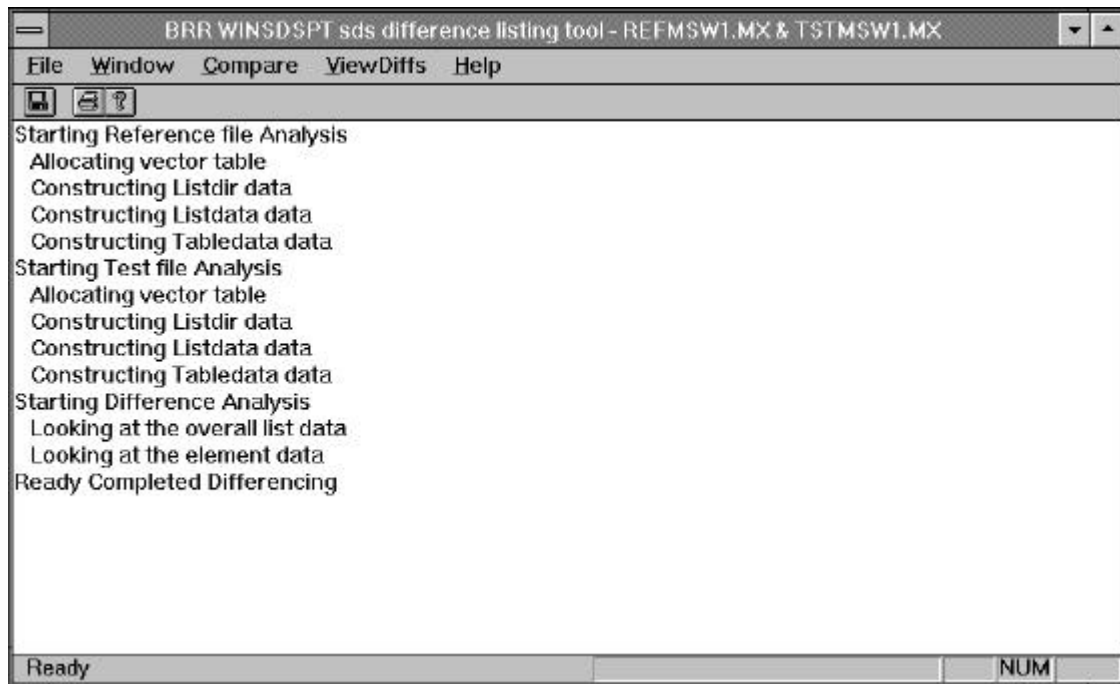
To start a comparison of two data sets select the **Compare** option from the main menu.

A dialog box will appear giving a number of options. On the first pass through the program only one of the comparison options is enabled, "New Reference and Test". The dialog box also contains a check box to omit the comparison of black-0 black-1 background colours (refer to the Picture Screen Colours, section 7).

Pressing the "OK" button will bring up a standard Windows open file style dialog for the reference data set. This is followed by a similar dialog for the test data set.



The comparison process will now start. Messages showing progress will appear on the screen.



When the comparison has finished, several options in the **'ViewDiffs'** submenu will be enabled so that the results can be viewed on the screen. This process is described in the "Results on Screen", section 5.

