

Laser-Scan Ltd.

IFFCEDD

Acceptance Tests

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1 INTRODUCTION

This document describes the acceptance test procedure for the Laser-Scan Module IFFCEDD in the CONVERT package.

IFFCEDD is a module containing two utilities, I2CEDD and CEDD2I, which have been designed to transfer between Laser-Scan Internal Feature Format (IFF) files on disc, and International Organisation Committee on Exchange of Digital Data (CEDD) format files on disc or magnetic tape.

The IFFCEDD module contains the utilities I2CEDD, for transfer from IFF to CEDD format, and CEDD2I, for transfer from CEDD format to IFF.

Data input to the IFFCEDD module is from IFF disc file and CEDD format magnetic tape or disc file. Output from the module is to IFF file and CEDD format magnetic tape or disc file.

2 OVERVIEW

For the purpose of acceptance, an IFF file containing feature coordinate data and attribute information is provided.

In order to carry out acceptance for the tape conversion modules I2CEDD and CEDD2I, a scratch magnetic tape is required, and should be loaded on a tape drive. The acceptance procedure will inquire the name of the tape drive.

Acceptance will be performed using a supplied DCL command procedure to invoke the CEDD utilities.

The acceptance procedure is invoked by typing **@LSL\$COM:IFFCEDD_ACCEPT**

3 DESCRIPTION OF ACCEPTANCE PROCEDURE

The acceptance procedure first demonstrates the utility I2CEDD. I2CEDD is used to transfer the coordinate data and attribute information in a IFF file to a CEDD format magnetic tape.

The VMS utility DUMP is then invoked to examine the first 2 blocks on the tape to confirm the writing of a CEDD dataset.

The utility CEDD2I is then demonstrated by the acceptance procedure. CEDD2I is used to transfer the coordinate data and attribute information on a CEDD format magnetic tape to an IFF disc file.

Finally, the utility IDIFFERENCE, from the IMP package, is used to illustrate that the initial IFF file, as read by I2CEDD, is essentially similar to the final IFF file, as written by CEDD2I.

Acceptance for the two IFFCEDD tape utilities I2CEDD and CEDD2I is performed together, since CEDD2I is used to verify that the CEDD format tape has been correctly written by I2CEDD. In order to carry out acceptance, a magnetic tape should be loaded on a tape device. This should be a scratch tape as I2CEDD will overwrite any existing data on the tape. You will be asked to supply the tape

device name as part of acceptance. Note that the tape should be loaded but not mounted.

I2CEDD is used to transfer CEDD data held in an IFF file to a CEDD format magnetic tape. The format of this tape is detailed in the IHO CEDD Specification. I2CEDD will be run to transfer data from the provided IFF file. When I2CEDD is run, the tape is initialised, and the data is written to it in CEDD format.

The transfer of data to and from the tape may take some time, so patience is advisable.

Pass []/Fail []

DUMP is used to list the first 2 blocks on the magnetic tape to demonstrate that a CEDD format tape has been created.

Pass []/Fail []

CEDD2I is used to convert data from CEDD format magnetic tape to IFF file. CEDD2I will be run to transfer a map sheet from the tape. When the program is run the map sheet written to the tape by I2CEDD is transferred to a second IFF file.

Pass []/Fail []

To confirm that the data has been correctly read from tape, the IMP utility IDIFFERENCE may be used to compare the file generated by CEDD2I with the original file. If file transfer has been correctly performed the only differences should be in the IFF History (HI) entry and in the NS entry. There should be no differences reported in the IFF feature coordinates or analysis codes.

Pass []/Fail []

Overall Pass []/Fail []

Comments:

Customer Representative:

Date:

Laser-Scan Representative:

Date: