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OCCASION

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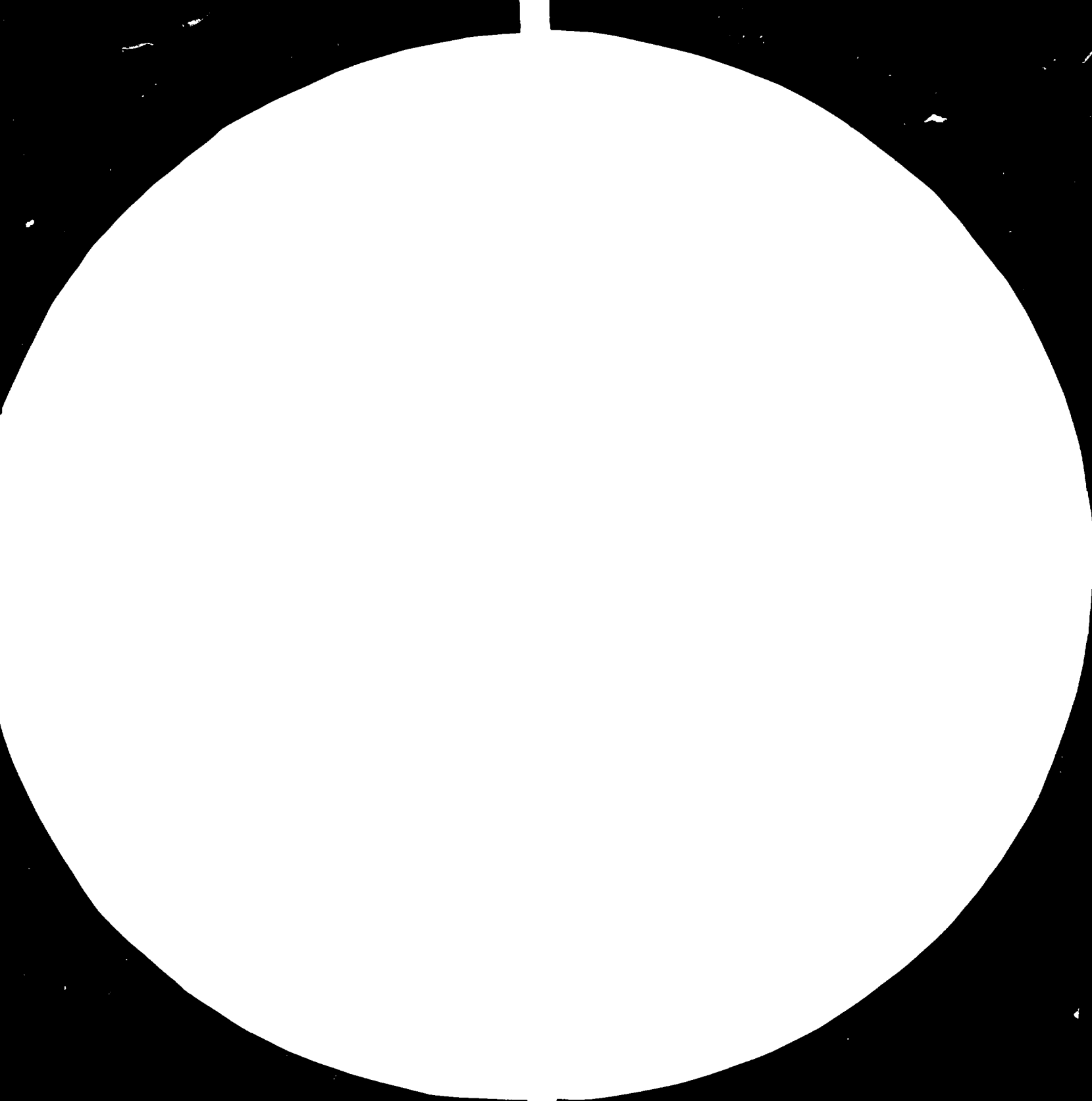
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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS
STANDARD REFERENCE MATERIAL 1010a
(ANSI and ISO TEST CHART No. 2)

14179

ICL

FINAL REPORT

FOR SERVICES PROVIDED BY ICL TO THE UNIDO PROJECT:

"THE NATIONAL TECHNICAL CONSULTANCY AND TRAINING CENTRE, PRAGUE"

1984

3026

CONTRACT No.84/83/RT

DATE : 12/12/84

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1. INTRODUCTION

ICL has provided software and consultancy services to the NTCTC project. These services will enable the NTCTC staff to move from the existing batch orientated production control system to a more efficient interactive system. The solution proposed by ICL was in 2 phases. The 1st phase has now been implemented by ICL and this consisted of the development and implementation of the basic emulation and communication facilities on the ICL 2953 computer at the NTCTC site in Plzen.

This has now been successfully completed by ICL consultants and the 5 NTCTC staff have been fully trained in the utilisation of the ICL system software.

2. OBJECTIVES

These were namely:

- 2.1 To provide suitable firmware and software to allow installation, testing and a DME/G3 trial including communication devices.
- 2.2 To update and regenerate, as necessary, suitable firmware and software for the customer environment. This should provide smooth running for the present and the foreseeable future.
- 2.3 To train and familiarise the NTCTC staff in the use of the relevant CME firmware. To provide a sufficient understanding of the DME environment to allow updating of the software and firmware as the need arises and thereafter a smooth environment.

3. SYSTEM BUILD

This consisted of four essential elements, the engineering test software, the CME firmware on the system disc, the George 3 operating system with all the latest, relevant macros and programs and the communications software. The essential features of each are outlined briefly.

3.1 Test Software

Engineering test software: This consisted of a complete test software disc, set up on EDS/100D, capable of running TOSD, GTS and PSE software. A complete back-up disc is provided.

3.2 System Disc

CME system disc: This disc contains essential CME/DME firmware suitable for the site and contains other essential software as follows:

- a) Release 4 CME microcode, patched up to date
- b) A DME configuration to suit the hardware on site with as much resilience as possible
- c) A fully patched George 3 executive
- d) CIPL data and configurations suitable for loading a 2953 from an EDS/100D
- e) A dumpfile capable of holding 2 system dumps.

3.3 Operating System G3

George 3 operating system: This was initially set up to hold the trial software and macros. After the trial a recompilation of George was undertaken and the trial filestore formed the initial filestore for the customer service. With customer

liaison and participation a basic system has been set up which will allow NTCTC work to be performed efficiently. The NTCTC staff being an experienced George 3 users, will update as necessary.

Several important macros and programs necessary for DME have been introduced to the filestore. An error log system has been set up and initialised.

3.4 Communications

Communication system: A communication manager has been generated which will support a DRS20 Model 30 on all 8 lines of the SMLCC with 6 VT's and 2 HCP's on each line. Lines 1 to 6 are treated as direct connections and lines 7 & 8 are linked via a modem. The communication manager supports 5 TP programs concurrently. A teleload library has been set up mapping the DRS teleload program and the CTS (Customer Test Software) on every line as required. Suitable macros are provided for easy generation, loading, updating and running of the communication system.

4. TRAINING

At every stage of implementing the software build great care was taken to involve the NTCTC staff (operators, engineers and/or the software staff) in the whole process of the running and generating of the DME system. As the NTCTC staff have experience of George 3 the main emphasis was on firmware and the communications manager. Documentation has been provided and the essential points "highlighted". Whenever possible practical experience has been

provided. All queries raised have been suitably resolved.

5. SUMMARY

It is felt that the objectives have been admirably achieved. The latest software, firmware, all suitably patched, is in use on this site. The training of the NTCTC staff in the differences of the DME system as in all aspects generally, was easily achieved as the staff were eager to learn. It is believed that the NTCTC staff have been provided with the relevant tools, and some expertise in their use, to give them a good insight and some confidence in being able to update, patch the system and also to provide first line support.

[NOTE: ICL has now provided NTCTC site the essential documentation DME/G3 and CME/G3 (TP5789).]

APPENDIX A

A.1. Professional Services

	<u>Activity</u>	<u>Resource</u>	<u>Period</u>
1.	Briefing by NTCTC staff in Plzen	MR. F. KAPOOR MR. P. LAMB	1 day
2.	Installation, implementation and live testing of DME/G3 executive and G3 operating system and associated utilities	MR. F. KAPOOR ICL U.K.	2 weeks
3.	Installation, implementation and live testing of communications manager software, teleload software and DRX3 terminal executives & associated utilities	MR. P. LAMB ICL U.K.	2 weeks
4.	Debriefing by NTCTC staff in Plzen/Prague		1 day

A.2. Software

The following software items were delivered to NTCTC:-

<u>Set No.</u>	<u>Description</u>
S36303/01	CME/G3 OS Emulation facility
E20203/20	DRX3 Version 3 (Teleload C01 + C03) Primary Licence

