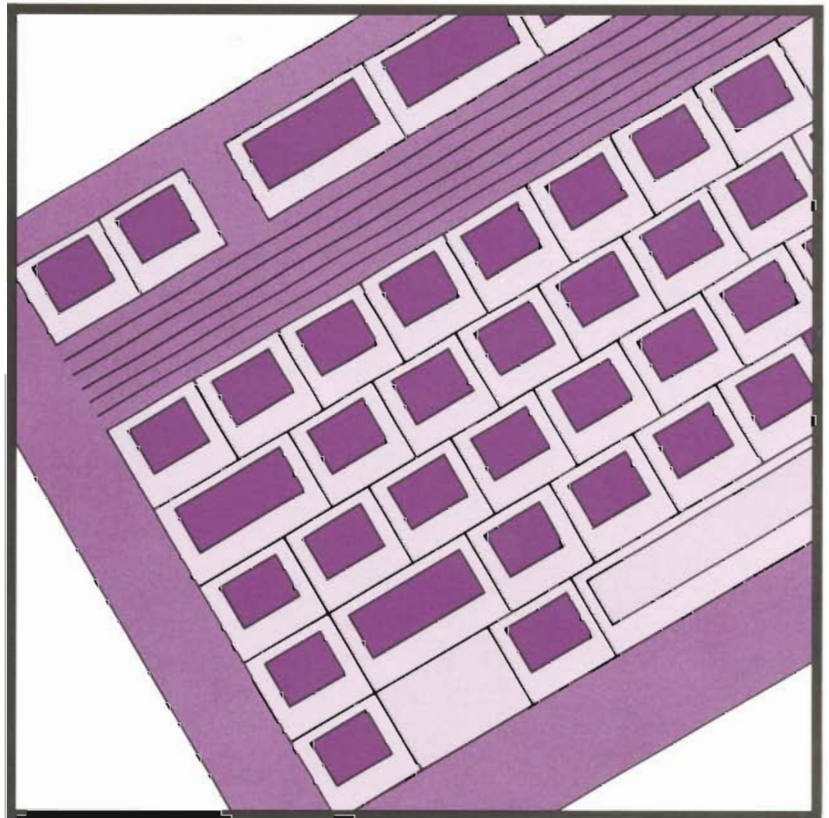


HEWLETT-PACKARD

Information Management

HP 3000

Update



Information Management Update

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This Sales Update Produced Using:

HP Vectra (tm)
HP 3000
LaserJet+ (tm)
Aldus PageMaker (tm)
HP Drawing Gallery (tm)
HP Draw
HP Graphics Curator

Information Management Update

Products And Strategy To Win!

New Products - HP Visor and TurboIMAGE/XL

Now you can sell HP SQL to your customers along with an end user access capability - HP Visor! A significant objection that many of you have run up against...."how can I give the unsophisticated user access to this new relational database?"...is now answered.

TurboIMAGE/XL offers customers an even better migration path to the 900 Series systems. Now customers get the EASY MIGRATION path delivered by a compatible TurboIMAGE product...AND get the added PERFORMANCE provided by a Native Mode database product.

New Enhancements - Information Access, BRW/V and System Dictionary

HP Information Access now provides PC users a single tool to access information stored on HP

3000's, PC databases, and IBM mainframes! The addition of the new link to Cullinet's ICMS services gives users easy access to the IBM mainframe world.

The new COPY/MERGE and COMPILE capabilities of HP System Dictionary add new strength to HP's strategic data dictionary offering. Data administrators now can more easily make use of a key feature, multiple domains and versions. With COMPILED dictionaries, users can now get access to essential dictionary stored information through a new faster, read only option.

Business Report Writer/V can now easily upgrade from Report/V! The facility internally known as "bridges" now translates most of the existing programs written in Report/V (and Inform/V) to BRW. Add System Dictionary support, callable INTRINSICS, "real number" support, and security enhancements and a great product gets even better!

Continuing Commitment to Information Management



Introducing

TurboIMAGE/XL
HP Visor/XL
Enhancements:
Information Access/V
BRW/V

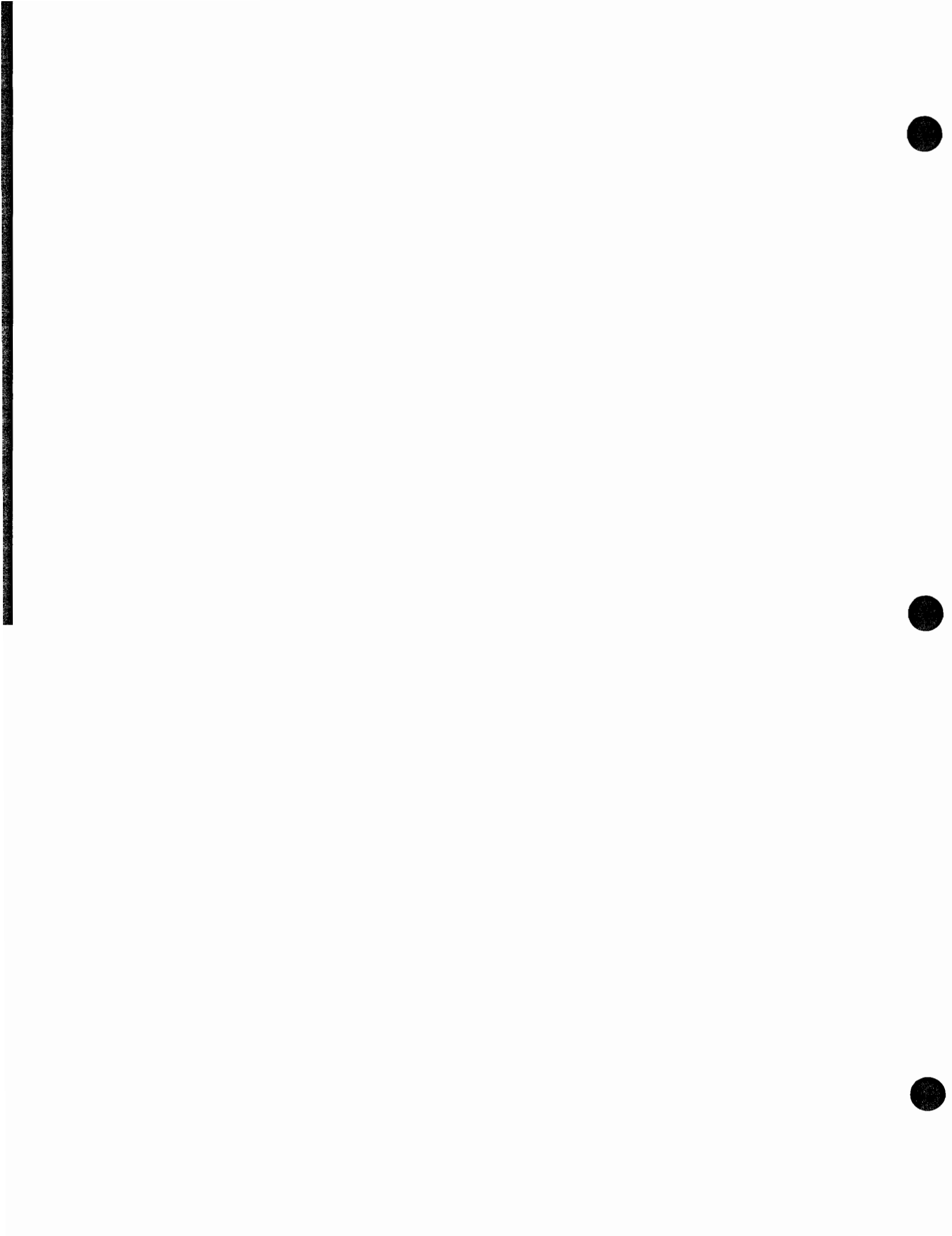
Allbase/XL
HPSQL/V
System Dictionary
Business Report Writer/V

930 Introduction

June 1987

HP Computer Museum
www.hpmuseum.net

For research and education purposes only.



Product Update

- **TurboIMAGE in Native Mode**
- **TurboIMAGE Compatibility**
- **ALLBASE Update**
- **System Dictionary Update**
- **HP Visor**
- **Business Report Writer Enhancements**

TurboIMAGE Available In Native Mode

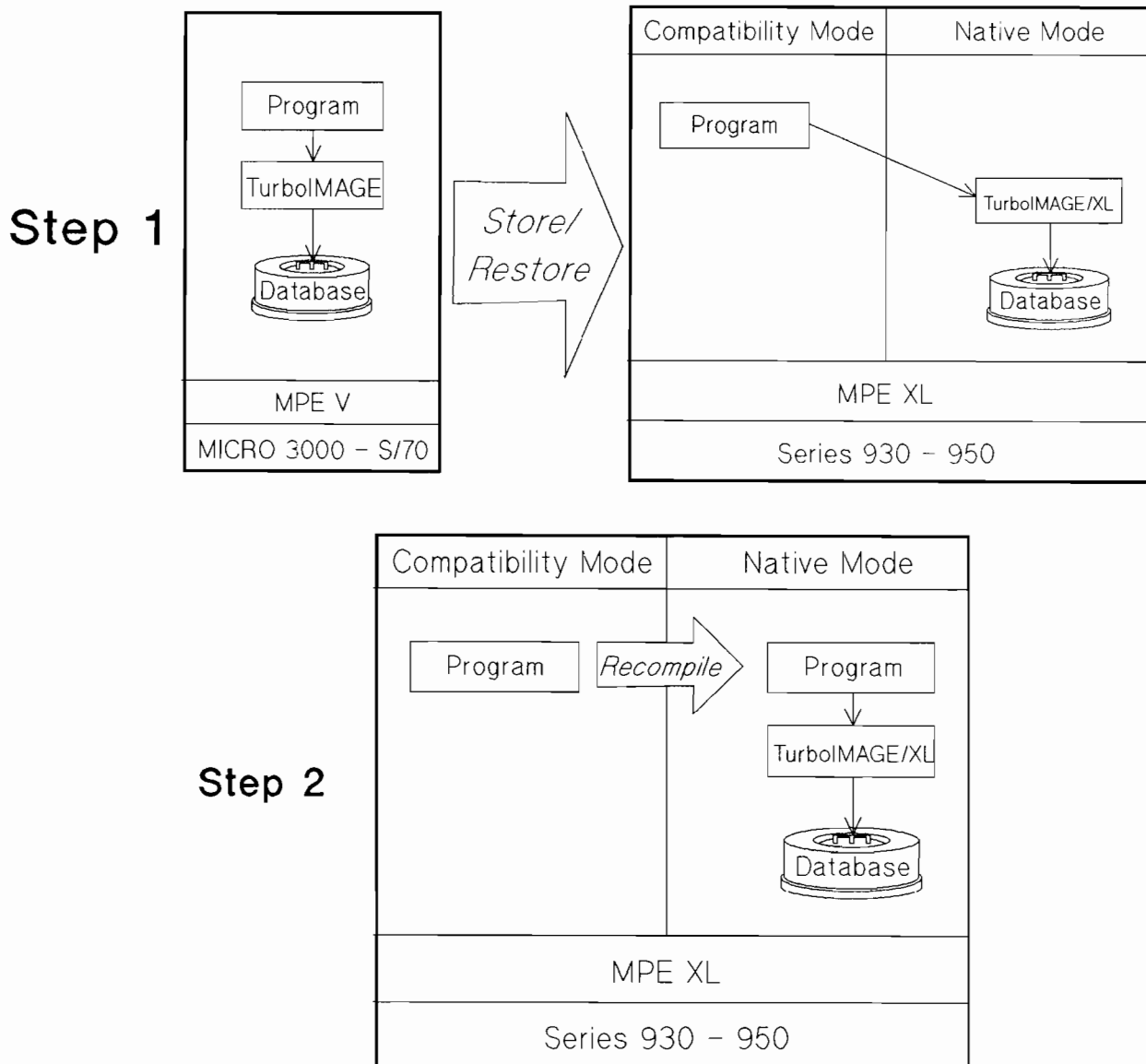
Delivering On The Promise Of A Smooth Migration

TurboIMAGE/XL Available on First Release of MPE XL

TurboIMAGE will be available in native mode on first release of the Series 930. This decision was made in response to customer feedback on the migration process. We are now offering your customers the easiest possible database migration path.

Two Step Migration

Migration is a straightforward two step process. The first step is to store the application database and programs on the MPE V machine, and restore them on the MPE XL machine. The programs will now be running in compatibility mode, accessing the database in native mode. The second step involves recompiling the application programs to move them into native mode as well. With two simple steps your customer achieves full native mode performance.



TurboIMAGE Compatibility

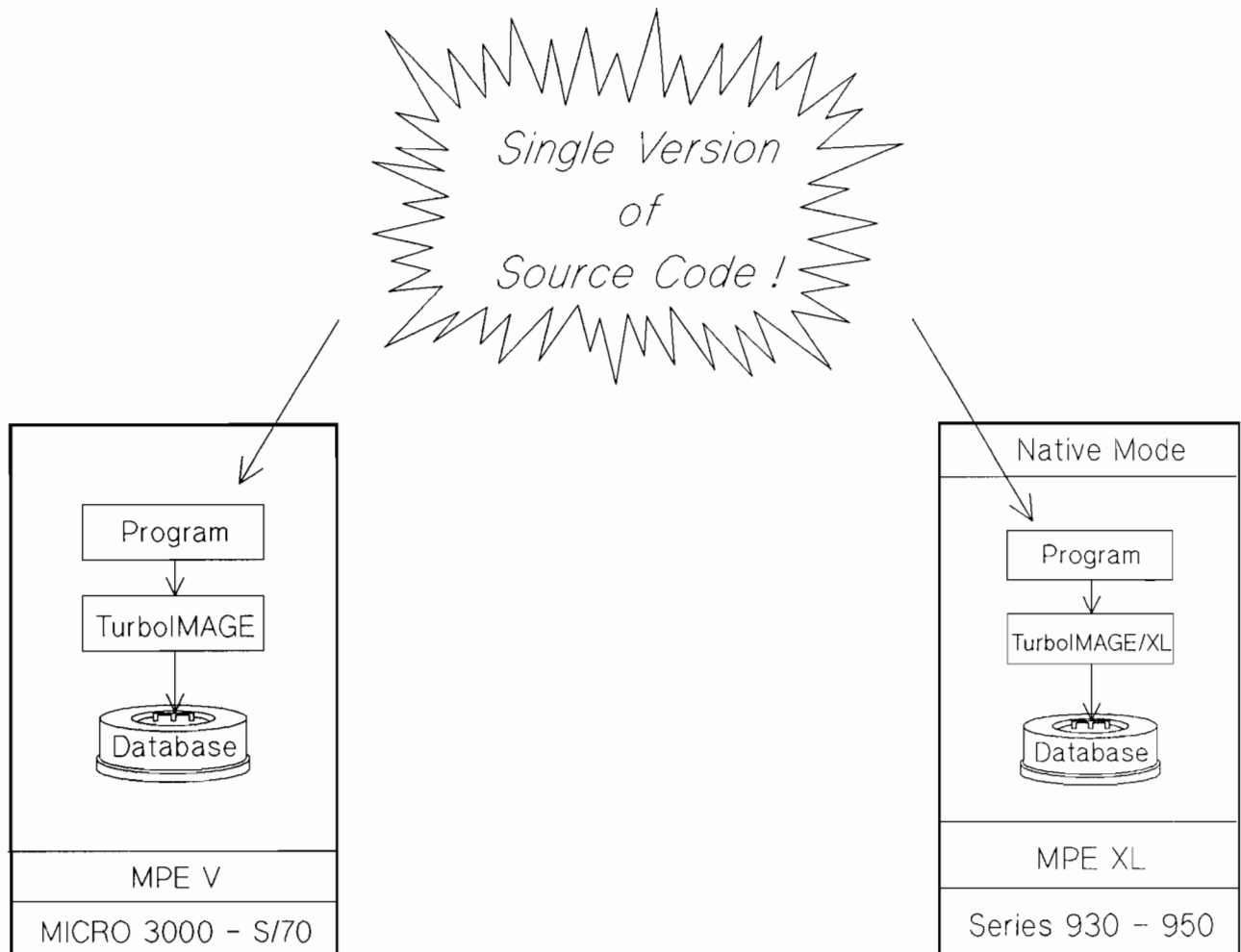
TurboIMAGE Now Provides Source Code Compatibility

Single Version of Source Code

The availability of TurboIMAGE in native mode will allow your customers to maintain a single version of source code that will run across the entire HP3000 computer family. This provides full native mode performance without modification to existing application programs or databases.

TurboIMAGE/XL Included in FOS

All customers that are migrating their TurboIMAGE applications and databases to the new machines will use TurboIMAGE/XL as their database migration path. TurboIMAGE on the 900 Series HP3000 will be included in FOS, and will be available in native mode only.



ALLBASE Update

HPIMAGE Offers Increased Concurrency For Database Intensive Applications

HPIMAGE Available on Future Release

With the introduction of TurboIMAGE in native mode, HPIMAGE has been rescheduled for a future release. Any customers that have ordered preconfigured systems will receive TurboIMAGE/XL and the HPSQL portion of ALLBASE/XL with their initial shipment. They will receive HPIMAGE and TurboWindow/XL as soon as they become available. TurboWindow/XL will be provided with HPIMAGE to facilitate writing a single version of source code that can access both TurboIMAGE and HPIMAGE databases.

Our current lab modeling indicates that HPIMAGE will offer performance improvements over TurboIMAGE/XL as we move to machines larger than the Series 950. This is because HPIMAGE is a true multi-threaded database. HPIMAGE will provide the high

performance and recoverability that will be demanded by our customers over the next decade.

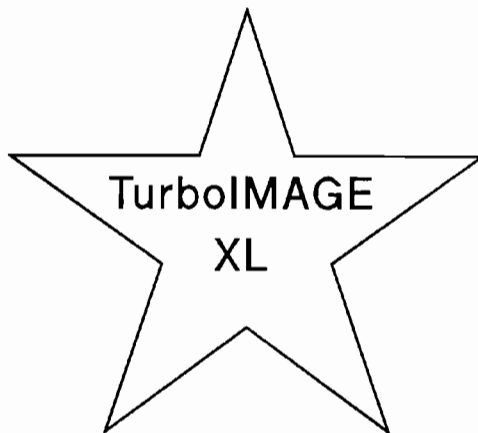
HPIMAGE Offers Expanded Functionality

HPIMAGE also offers expanded functionality that is not currently available in TurboIMAGE. The new functions include generic searches, automatic locking, expanded database levels, improved recovery, and dual access (network and relational access to the same HPIMAGE database).

HPSQL Shipping on First Release

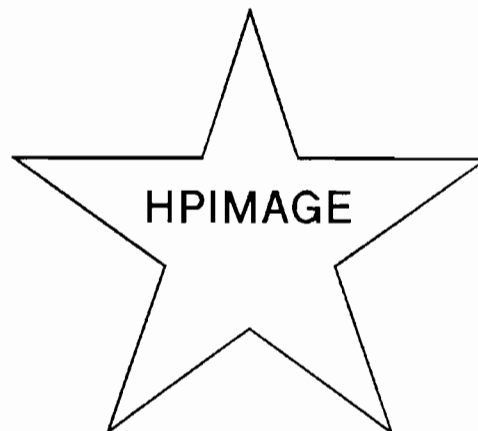
The HPSQL portion of ALLBASE/XL will be available at first release. HPSQL/V and ALLBASE/XL(HPSQL) are source code compatible, allowing your customers easy migration of existing applications.

CONTINUING PERFORMANCE IMPROVEMENTS



Today's Solution

- * High performance
- * Effortless migration



More to Come

- * Improved concurrency
- * Expanded functionality

System Dictionary Update

Enhancing HP's Strategic Data Dictionary

Linking Additional Tools

More of your customers will find System Dictionary a valuable addition to their information management environment with added links to Business Report Writer/V. Transact/V will be added by the end of calendar 1987. Transact and BRW users will be able to migrate from Dictionary/V to the new more powerful capabilities of System Dictionary.

Enhancing the Solution

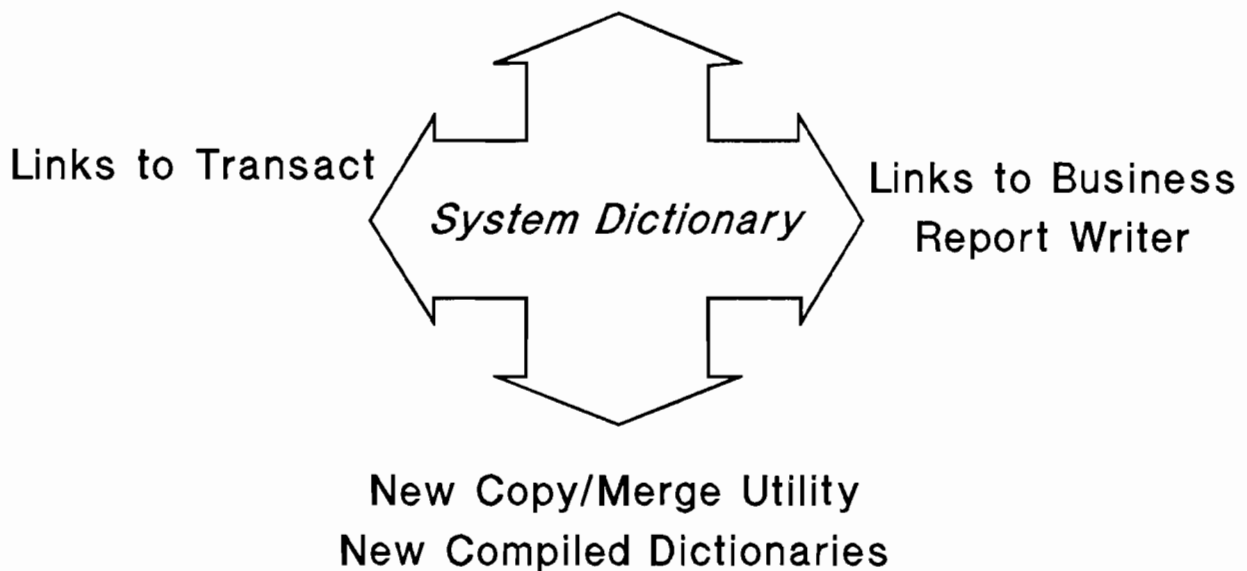
With the new addition of the COPY/MERGE facility and COMPILED dictionaries customers can more easily use the capabilities in multiple version and multiple system environments. COPY/MERGE

allows the user to easily combine two sets of data definitions or to update an existing version without manually re-entering definitions. "COMPILING" a dictionary results in a compact, read-only dictionary format that improves run-time performance of dictionary retrievals. This provides a great solution for customers requiring read only access on production systems.

Included in the Current Product

Customers who have purchased System Dictionary will receive COPY/MERGE and support for COMPILED dictionaries for no additional charge. System Dictionary includes these capabilities as part of the fundamental feature set.

SYSTEM DICTIONARY



HP Visor

End User Interface to HPSQL Databases

Visor Gives Users Timely Access to Information

With Visor, users of HPSQL databases can quickly and easily perform their own ad hoc queries and generate their own customized reports, without involving a programmer. Users spend no time attempting to explain to a programmer what they need or waiting for important data; programmer time is freed up for new applications and other complex tasks.

End User Tools Complement the Programmer Benefits of HPSQL

As the first end user tool for HPSQL, Visor is an important building block for a viable relational database solution for the commercial market. Before, the productivity benefits of HPSQL were confined to programming/technical staff: applications could be developed in less time than with a network model database such as IMAGE.

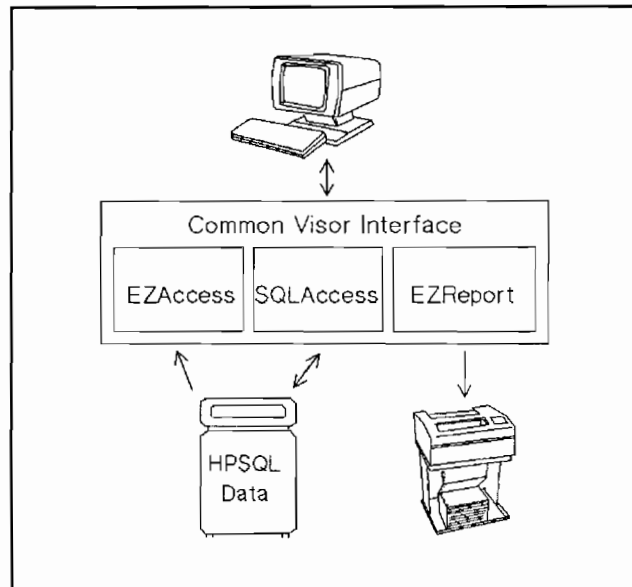
However, the basic need underlying the use of databases is the need for timely access to the information needed to run an organization. Visor goes one step further by putting the ability to access information into the hands of the end user of that information.

Accommodates Differing Levels of Technical Knowledge

The Visor software actually includes three tools (modules), called EZAccess, SQLAccess and EZReport.

Managers, system administrators, clerical assistants and other non-technical personnel will find EZAccess and EZReport simple to use. With these forms-based ("EZ") access and reporting modules, users only need to mark boxes and press functions keys; Visor smoothly steps them through tasks that cross module boundaries. Context-sensitive help, available at any time with a single keystroke, allows quick question resolution.

More technical users who are already familiar with SQL may want to bypass EZAccess, yet still utilize Visor's report writing functions; this capability is provided by SQLAccess. The SQLAccess interface is a screen-based editor that allows users to enter a



SELECT statement or any other SQL command (not ISQL) and execute it from within Visor. When appropriate, EZReport is automatically invoked to format query results for output on the terminal and/or printer.

Strategic Products

Like HPSQL, Visor is a strategic product: it will be available on all commercial systems, both MPE V based and MPE XL based HP 3000 systems. That means that both programmer and end user training efforts can be leveraged across a variety of systems and applications. HP Visor/V, for HPSQL/V databases, is the first version to become available. HP Visor/XL for ALLBASE/XL- HPSQL databases will not be available at the first release of the Series 930, but is planned for a future release. Query and report development efforts can also be leveraged across systems and applications; items created using HP Visor/V are upward compatible with HP Visor/XL.

Visor/V Ordering Information

Product Number	32425
U.S. List Price	\$10,000 (Series 70, A-copy)
Available	NOW (UB delta 2 MIT)
Data Sheet	5954-9325
Tutorial Manual	32425-60001
Sales Guide	5954-9427
SE Training(self-paced)	32425-94001

Business Report Writer - Enhancements



Strategic Report Writer Gets Even Better!

Now Report/V Users Can Migrate To BRW

A new migration utility will be included with Business Report Writer on UBDelta4 that translates Report/V statements into menu specifications required for Business Report Writer. Most of the features available in Report/V translate directly (see the reference manual for exceptions). Additionally, Inform/V users can expand their simple reports with BRW now....the same capability we formerly offered with Report/V.

Remember, Report/V users receive full (100%) credit toward the purchase of Business Report Writer. Business Report Writer is the report writing facility that will be supported in Native Mode on the 900 Series systems. Any customer planning new report development should make the move to BRW.

New INTRINSICS Aid the Programmer...

New BRW INTRINSICS allow programmers to call BRW from applications written in Transact, COBOLII,

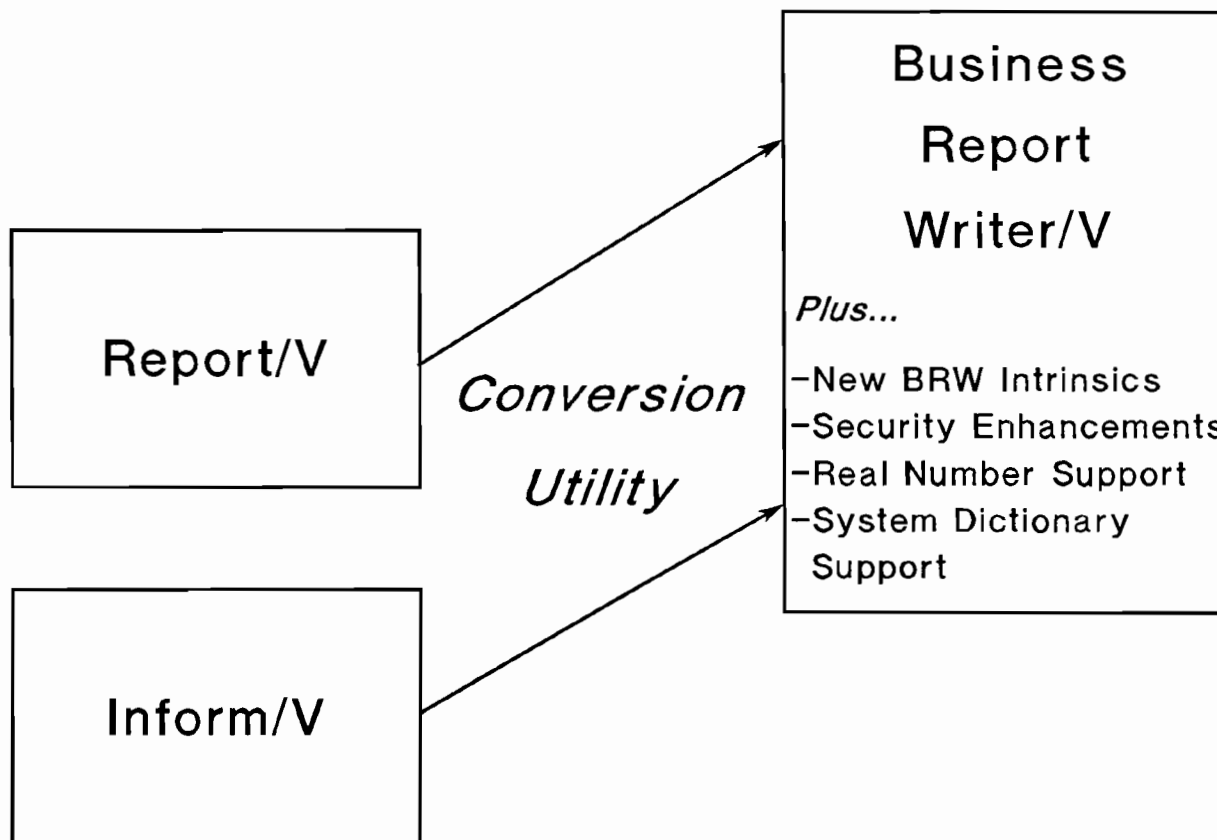
FORTRAN, Pascal, or SPL. Now they can use BRW instead of coding their own reporting within a program. The INTRINSICS will allow the display of available reports, running those reports with application provided selection criteria, the display of a report on-line, and the streaming and scheduling of report runs.

Enhanced Feature Set....

Security has been enhanced such that passwords used in the definition of a report can be encrypted so that they can not be easily discovered. Additionally, support for "real numbers" has been added to allow more complete support for numeric reporting.

AND System Dictionary Support

BRW supports System Dictionary allowing you to market this product with our strategic data dictionary. Remember, BRW requires the use of a data dictionary; System Dictionary/V, Dictionary/V, or the MPD Application Dictionary are supported.





Questions & Answers

Frequently Asked Questions

Answers To Your Questions About Information Management - Products

What changes will my customers need to make to their source programs to migrate from TurboIMAGE/V to TurboIMAGE/XL?

Virtually all customers will be able to migrate their source programs without any modifications. Only those customers that have by-passed DBEXPLAIN and written custom error handling routines which access the status array may be required to make some minor modifications. Commercial SEs will receive a list of incompatibilities by July 1st.

Will DBchange run with the new TurboIMAGE/XL database?

Yes. DBchange will function the same way against TurboIMAGE/XL databases as it does today under MPE V. The DBchange program will run in compatibility mode.

Will Compatibility Mode TurboIMAGE be available on the Series 930?

No. TurboIMAGE on the Series 930 will be available in Native Mode only, and will be included in FOS. Since TurboIMAGE/XL is compatible with TurboIMAGE/V, there is no need for compatibility mode TurboIMAGE.

Will my customers be able to maintain a single version of source code that will run against both TurboIMAGE and HPIMAGE databases?

Yes. TurboWindow/XL will be provided to facilitate maintaining a single version of source code. Existing TurboIMAGE applications will need additional logic to properly access HPIMAGE through TurboWindow/XL. TurboWindow/XL will be available on the same release as HPIMAGE.

Is HPSQL/V compatible with the HPSQL portion of ALLBASE/XL?

Yes, HPSQL/V and ALLBASE/XL(HPSQL) applications are source code compatible!

Will Visor run with ALLBASE/XL(HPSQL)?

Yes. Visor is currently being ported to run with HPSQL. It will be available six to nine months after first release.

With the new utilities, will Business Report Writer replace INFORM?

No...INFORM provides a very friendly user interface that is MUCH less complex than BRW. The new utilities provide a way for a trained BRW user to take a report created by an INFORM user and enhance it using the additional features of BRW.